

# Product Datasheet

## Recombinant Human NFkB p105/p50 GST (N-Term) Protein H00004790-P01-10ug

Unit Size: 10 ug

Store at -80C. Avoid freeze-thaw cycles.

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**H00004790-P01-10ug**

Recombinant Human NFkB p105/p50 GST (N-Term) Protein

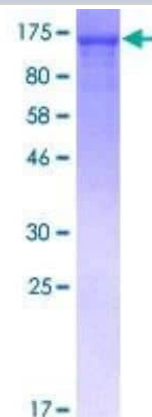
| Product Information      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Unit Size                | 10 ug                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Concentration            | Please see the vial label for concentration. If unlisted please contact technical services.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Storage                  | Store at -80C. Avoid freeze-thaw cycles.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Preservative             | No Preservative                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Purity                   | >80% by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Buffer                   | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH 8.0 in the elution buffer.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Target Molecular Weight  | 131.8 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Product Description      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Description              | <p>Recombinant protein with GST tag at N-terminal corresponding to the amino acids 1-969 of Human NFkB1</p> <p><b>Source:</b> <i>Wheat Germ (in vitro)</i></p> <p><b>Amino Acid Sequence:</b><br/> MAEDDPYLGRPEQMFHLDPSLTHITFNPEVFQPMALPTADGPYLQILEQPKQ<br/> RGFRFRYVCEGPSHGGLPGASSEKNKKSYPQVKICNYVGPAKVIVQLVTNGKN<br/> IHLHAHSLVGKHCEDGICTVTAGPKDMVVGFANLILHVTKKKVFETLEARMTE<br/> ACIRGYNPGLLVHPDLAYLQAEGGGDRQLGDREKELIRQAALQQTKEMDLSVV<br/> RLMFTAFLPDSTGSFTRRLEPVVSDAIYDSKAPNASNLKIVRMDRTAGCVTGGE<br/> EIYLLCDKVQKDDIQIRFYEEEEENGWEGFGDFSPTDVHRQFAIVFKTPKYKDI<br/> NITKPASVVFQLRRKSDLETSEPKPFLYPEIKDKEEVQRKRQKLMPNFSDFSFG<br/> GGSGAGAGGGGMFGSGGGGGGTGSTGPGYSFPHYGFPTYGGITFHPGTTKS<br/> NAGMKHGTMDTESKKDPEGCDKSDDKNTVNLFGKVIETTEQDQEPSEATVGN<br/> GEVTLTYATGTKEESAGVQDNLFLEKAMQLAKRHANALFDYAVTGDVKMLLAV<br/> QRHLTAVQDENGDSVLHLAIHLHSQLVRDLLEVTSGLISDDIINMRNDLYQTPL<br/> HLAVITKQEDVVEDLLRAGADLSLLDRLGNSVLHLAAKEGHDKVLISILLKHKKAA<br/> LLLDHPNGDGLNAIHLAMMSNSLPCLLLLVAAGADVNAQEQQSGRTALHLAVE<br/> HDNISLAGCLLLEGDAHVDSTTYDGTTPLHIAAGRGSTRLAALLKAAGADPLVE<br/> NFEPLYDLDDSWENAGEDEGVVPGTTPLDMATSWQVFDILNGKPYEPEFTSD<br/> DLAQGDMKQLAEDVKLQLYKLEIPDPDKNWATLAQKLGLILNNAFRLSPAP<br/> SKTLMDNYEVSGGTRELVEALRQMGYTEAIEVIAAASSPVKTTSQAHSLPLSP<br/> ASTRQQIDELRSDSVCDSGVETSFRKLSFTESLTSGASLLTLNKMPhDYGQE<br/> GPLEGKI</p> |
| Gene ID                  | 4790                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Gene Symbol              | NFKB1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Species                  | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Preparation Method       | in vitro wheat germ expression system                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Details of Functionality | This protein was produced in an in vitro wheat germ expression system that should preserve correct conformational folding that is necessary for biological function. While it is possible that this protein could display some level of activity, the functionality of this protein has not been explicitly measured or validated.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Notes                    | This product is produced by and distributed for Abnova, a company based in Taiwan.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

**Product Application Details**

|                              |                                                                 |
|------------------------------|-----------------------------------------------------------------|
| <b>Applications</b>          | Western Blot, ELISA, Protein Array, Immunoaffinity Purification |
| <b>Recommended Dilutions</b> | Western Blot, ELISA, Protein Array, Immunoaffinity Purification |

## Images

SDS-Page: Recombinant Human NFkB p105/p50 Protein [H00004790-P01] - 12.5% SDS-PAGE Stained with Coomassie Blue.



## Publications

King EA, Cho Y, Hsu NS et al. Chemoproteomics-enabled discovery of a covalent molecular glue degrader targeting NF- $\kappa$ B Cell chemical biology 2023-03-04 [PMID: 36898369] (Immunoprecipitation, Human)

Guegan J, Pollet J, Ginestier C Et al. CD95/Fas suppresses NF-kappaB activation through recruitment of KPC2 in a CD95L/FasL-independent mechanism iScience 2021-12-01 [PMID: 34917906]

Park MH, Hong JE, Park ES et al. Anticancer effect of tectochrysin in colon cancer cell via suppression of NF-kappaB activity and enhancement of death receptor expression. Mol Cancer. 2015-06-30 [PMID: 26123287]

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**Products Related to H00004790-P01-10ug**

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|                    |                                                      |
|--------------------|------------------------------------------------------|
| H00004790-Q01-10ug | Recombinant Human NFkB p105/p50 GST (N-Term) Protein |
| 210-TA-005         | TNF-alpha [Unconjugated]                             |
| NB100-56583        | NFkB p105/p50 Antibody (2J10D7) - BSA Free           |
| M6000B-1           | IL-6 [HRP]                                           |

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**Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Peptides and proteins are guaranteed for 3 months from date of receipt.

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