

Product Datasheet

Recombinant Mouse IFN-gamma Protein NBP2-35071-100ug

Unit Size: 100 ug

Store at -20 to -70C as supplied. After reconstitution, store at 2 to 8C for 1 month and at -20 to -70C for long term storage. Avoid repeated freeze-thaw cycles.

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NBP2-35071-100ug

Recombinant Mouse IFN-gamma Protein

| Product Information | |
|-----------------------------|---|
| Unit Size | 100 ug |
| Concentration | Lyoph |
| Storage | Store at -20 to -70C as supplied. After reconstitution, store at 2 to 8C for 1 month and at -20 to -70C for long term storage. Avoid repeated freeze-thaw cycles. |
| Preservative | 5% Trehalose |
| Reconstitution Instructions | Recommended to centrifuge prior to opening. Reconstitute in sterile distilled 20 mM Tris-HCl pH8.0 with 50 mM NaCl to a concentration of 0.1-0.3 mg/ml. |
| Purity | >95%, by SDS-PAGE and HPLC |
| Buffer | Lyophilized from a 0.2 um filtered solution in 20 mM Tris-HCl pH 8.0, 300 mM NaCl, 0.05 % Tween-20. |
| Target Molecular Weight | 15.5 kDa |

| Product Description | |
|--------------------------|--|
| Description | A single non-glycosylated polypeptide chain containing 133 amino acids corresponding to IFN-gamma Source: <i>E. coli</i> Uniprot ID: P01580 Amino Acid Sequence: HGTVIESLES LNNYFNSSGI DVEEKSLFLD IWRNWQKDGD MKILQSQIIS FYLRLFVVLK DNQAISNNIS VIESHLITTF FSNSKAKKDA FMSIAKFEVN NPQVQRQAFN ELIRVVHQLL PESSLRKRKR SRC |
| Gene ID | 3458 |
| Gene Symbol | IFNG |
| Species | Mouse |
| Details of Functionality | Interferon gamma Protein is fully biologically active when compared to standard. The ED50 as determined by an anti-viral assay using murine L929 cells infected with encephalomyocarditis (EMC) virus is less than 0.8 ng/ml, corresponding to a specific activity of > 1.3 x 10 ⁶ IU/mg. |
| Endotoxin Note | Less than 1 EU/ug of IFN-gamma as determined by LAL method. |

| Product Application Details | |
|-----------------------------|-----------------------|
| Applications | SDS-Page, Bioactivity |
| Recommended Dilutions | SDS-Page, Bioactivity |

Publications

Segura-Bayona S, Villamor-Paya M, Attolini CSO Effect of Thrombospondin-4 on Pro-inflammatory Phenotype Differentiation and Apoptosis in Macrophages Peptides 1990-05-01 [PMID: 1974349]

Jang D, Yang B, You M et al. Fluoxetine decreases phagocytic function via REV-ERB alpha in microglia Research Square 2022-07-05 [PMID: 36048349]

Agharahimi M, Badisa RB, Mazzi E et al. Cocaine potentiates an inflammatory response in C6 astroglia like cells Biomedical reports 2021-05-01 [PMID: 33786174]

Rahman MT, Muppala S, Wu J et al. Effects of thrombospondin-4 on pro-inflammatory phenotype differentiation and apoptosis in macrophages Cell Death Dis 2020-01-23 [PMID: 31974349] (WB, Mouse)





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Products Related to NBP2-35071-100ug

| | |
|------------------|-------------------------------------|
| NBP2-34992-100ug | Recombinant Human IFN-gamma Protein |
| 210-TA-005 | TNF-alpha [Unconjugated] |
| 285-IF-100 | IFN-gamma [Unconjugated] |
| M6000B-1 | IL-6 [HRP] |

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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