Product Datasheet

Recombinant Human ErbB2/Her2 GST (N-Term) Protein H00002064-P01-2ug

Unit Size: 2 ug

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

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Publications: 4

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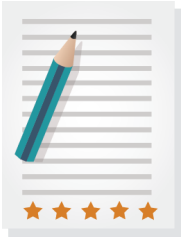
Updated 10/24/2024 v.20.1



H00002064-P01-2ug

Recombinant Human ErbB2/Her2 GST (N-Term) Protein

Product Information

Unit Size	2 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	164.45 kDa

Product Description

Description	A recombinant protein with GST tag at N-terminal corresponding to the amino acids 1-1255 of Human ERBB2 **Source:** *Wheat Germ (in vitro)* **Amino Acid Sequence:** MELAALCRWGLLLALLPPGAASTQVCTGTDMKLRLPASPETHLDMLRHLYQGC QVVQGNLELTYLPTNASLSFLQDIQEVQGYVLIAHNQVRQVPLQRLRIVRGTQL FEDNYALAVLDNGDPLNNTTPVTGASPGGLRELQLRSLTEILKGGVLIQRNPQL CYQDTILWKDIFHKNNQLALTLIDTNRSRACHPCSPMCKGSRCWGESSEDCQS LTRTVCAGGCARCKGPLPTDCCHEQCAAGCTGPKHSDCLACLHFNHSGICEL HCPALVTYNTDTFESMPNPEGRYTFGASCVTACPYNYLSTDVGSCTLVCPLHN QEVTAEDGTQRCEKCSKPCARVCYGLGMEHLREVRAVTSANIQEFAGCKKIFG SLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISAWPDSLPDLSVFQ NLQVIRGRILHNGAYSLTLQGLGISWLGLRSLRELGSGLALIHHNTHLCFVHTVP WDQLFRNPHQALLHTANRPEDECVGEGLACHQLCARGHCWGPGPTQCVNCS QFLRGQECVEECRVLQGLPREYVNARHCLPCHPECQPQNGSVTCFGPEADQ CVACAHYKDPPFCVARCPSGVKPDLSYMPIWKFPDEEGACQPCPINCTHSCV DLDDKGCPAEQRASPLTSIISAVVGILLVVVLGVVFGILIKRRQQKIRKYTMRRLL QETELVEPLTPSGAMPNQAQMRILKETELRKVKVLGSGAFGTVYKGIWIPDGE NVKIPVAIKVLRENTSPKANKEILDEAYVMAGVGSPYVSRLLGICLTSTVQLVTQ LMPYGCLLDHVRENRGRLGSQDLLNWCMQIAKGMSYLEDVRLVHRDLAARNV LVKSPNHVKITDFGLARLLDIDETEYHADGGKVPIKWMALESILRRRFTHQSDV WSYGVTVWELMTFGAKPYDGIPAREIPDLLEKGERLPQPPICTIDVYMIMVKCW MIDSECRPRFRELVSEFSRMARDPQRFVVIQNEDLGPASPLDSTFYRSLLEDD DMGDLVDAEEYLVPQQGFFCPDPAPGAGGMVHHRHRSSSTRSGGGDLTLGL EPSEEEAPRSPLAPSEGAGSDVFDGDLGMGAAKGLQSLPTHDPSPLQRYSED PTVPLPSETDGYVAPLTCSPQPEYVNQPDVRPQPPSPREGPLPAARPAGATLE RPKTLSPGKNGVVKDVFAFGGAVENPEYLTPQGGAAPQPHPPPAFSPAFDNL YYWDQDPPERGAPPSTFKGTPTAENPEYLGLDVPV
Gene ID	2064
Gene Symbol	ERBB2
Species	Human
Preparation Method	in vitro wheat germ expression system

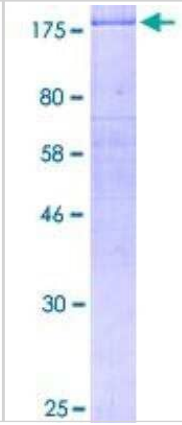
Details of Functionality	This protein was produced in an in vitro wheat germ expression system that should preserve correct conformational folding that is necessary for biological function. While it is possible that this protein could display some level of activity, the functionality of this protein 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

Applications	Western Blot, ELISA, Immunoassay, In vitro assay, Protein Array, Immunoaffinity Purification
Recommended Dilutions	Western Blot, ELISA, Immunoassay, In vitro assay, Protein Array, Immunoaffinity Purification
Application Notes	Use in In vitro assay reported in scientific literature (PMID 28639750). Use in Immunoassay reported in scientific literature.

Images

SDS-Page: Recombinant Human ErbB2/Her2 Protein [H00002064-P01] - 12.5% SDS-PAGE Stained with Coomassie Blue



Publications

Lai Y, Cao Y, Huang H et al. Synthesis of the mutant sequences for HER2 and survivin mimetic peptides of bladder cancer. Life Sci 2013-11-25 (IA)

Yoshioka Y, Suzuki T, Matsuo Y et al. Protein lysine methyltransferase SMYD3 is involved in tumorigenesis through regulation of HER2 homodimerization. Cancer Med. 2017-06-22 [PMID: 28639750] (In vitro, Human)

Lacombe J, Mange A, Bougnoux AC et al. A multiparametric serum marker panel as a complementary test to mammography for the diagnosis of node negative early-stage breast cancer and DCIS in young women. Cancer Epidemiol Biomarkers Prev 2014-06-23 [PMID: 24957886]

He S, Qu L, Shen Z et al. Highly specific recognition of breast tumors by an RNA-cleaving fluorogenic DNAzyme probe. Anal Chem. 2013-12-24 [PMID: 25479319]

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