
Product Data Sheet

Product Name: ErbB2 Human, Sf9

Cat. No.: GP22489

Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Receptor tyrosine-protein kinase erbB-2; EC 2.7.10.1; p185erbB2; C-erbB-2; NEU proto-oncogene; Tyrosine kinase-type cell surface receptor HER2; MLN 19; CD340 antigen; NEU; NGL; HER2; TKR1; HER-2; c-erb B2; HER-2/neu.		
Amino Acid Sequence	<p>TQVCTGTDMK LRLPASPETH LDMLRHLYQG CQVVQGNLEL TYLPTNASLS FLQDIQEVQG YVLIAHNQVR QVPLQRLRIV RGTQLFEDNY ALAVLDNGDP LNNTTPVTGA SPGGLRELQL RSLTEILKGG VLIQRNPQLC YQDTILWKDI FHKNNQLALT LIDTNRSRAC HPCSPMCKGS RCWGESSEDC QSLTRTV CAG GCARCKGPLP TDCCHEQCAA GCTGPKHSDC LACLHFNHSG ICELHCPALV TYNTDTFESM PNPEGRYTFG ASCVTACPYN YLSTDVGSCT LVCPLHNQEV TAEDGTQRCE KCSKPCARVC YGLGMEHLRE VRAVTSANIQ EFAGCKKIFG SLAFLPESFD GDPASNTAPL QPEQLQVFET LEEITGYLYI SAWPDSL PDL SVFQNLQVIR GRILHNGAYS LTLQGLGISW LGLRSLRELG SGLALIHNT HLCFVHTVPW DQLFRNPHQA LLHTANRPED ECVGEG LACH QLCARGHCWG PGPTQCVNCS QFLRGQECVE ECRVLQGLPR EYVNARHCLP CHPECQPQNG SVTCFGPEAD QCVACAHYKD PFCVARCPS GVKPDLSYMP IWKFPDEEGA CQPCPINCTH SCVDLDDKGC PAEQRASPLT LEHHHHHH.</p>		
Formulation	ErbB2 protein solution (0.25mg/ml) containing Phosphate Buffered Saline (pH 7.4) and 10% glycerol.		

Introduction

HER-2/neu (erbB-2) encodes an 185-kDa orphan receptor tyrosine kinase that is constitutively active as a dimer and displays potent oncogenic activity when overexpressed. Herstatin, as the product of alternative HER-2 transcript, retains intron 8. The herstatin mRNA is expressed in normal human fetal kidney and liver, but is at

Caution: Product has not been fully validated for medical applications. For research use only.

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reduced levels relative to p185HER-2 mRNA in carcinoma cells that contain an amplified HER-2 gene. Herstatin appears to be an inhibitor of p185HER-2, because it disrupts dimers, reduces tyrosine phosphorylation of p185, and inhibits the anchorage-independent growth of transformed cells that overexpress HER-2.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

ErbB2 Human Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 638 amino acids (23-652) and having a molecular mass of 70.4kDa (Molecular size on SDS-PAGE will appear at approximately 70-100kDa). ErbB2 is fused to 8 amino acid IgG His-Tag at C-terminus and purified by proprietary chromatographic techniques.

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