
Product Data Sheet

Product Name: ErbB3 Mouse

Cat. No.: GP22493

Batch No.: 1

Product Data

Purity >98% Source Sf9, Baculovirus cells.

Physical Appearance solid Shipping Condition Shipped with Ice Packs.

Synonyms Receptortyrosine-protein kinase erbB-3; Glial growth factor receptor; Proto-oncogene-like protein c-ErbB-3.

SEMGN SQAVC PGT LNGLSVT GDADN QYQTL YKLYEKCEVV
MGNLEIVLTGHNADLSFLQW IREVTGYVLV AMNEFSVLPL PNLRVVVRGTQ
VYDYGKFAIFV MLNYNTNSSH ALRQLRFTQLTEILLGGVYI EKNDKLCHMD
TIDWRDIVRV PDAEIVVKNN GGNCPPCHEV CKGRCWGP GPEDCQILTKTI
CAPQCNGRCF GPNPNQCCHD ECAGGCSGPQ DTDCFACRHFNDSGACVPRC
PAPLVYNKLT FQLEPNPHIK YQYGGVCVAS CPHNFVVDQT FCVRACPADK
MEVDKNG LKMCEPCRGLCPK ACEGTGSGSR YQTVDSSNID GFVNCTKILG
NLDFLITGLN GDPWHKIPALDPEKLN VFRT VREITGYLNI QSWPPHMHNF
SVFSNLTTIG GRSLYNRGFSLLIMKNL NVT SLGFRSLKEI SAGRVIYISAN
QQLCYHHSLN WTRLLRGPAE ERLDIKYNRP LGECVAEGKVCDPLCSSGGC
WGP GPGQCLS CRNYSREGVC VTHCNVLQGE PREFVHEAHC
FSCHPECQPMEGTSTCNGSG SDACARCAHFRDGP HCVNSC PHGILGAKGP
IYKYPDAQNE CRPCHENCTQ GCKGPELQDC LGQAEVLSK PHLEHHHHHH.

Formulation ErbB3 protein solution (0.5mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.

Introduction

ErbB3, also called Her3 (human epidermal growth factor receptor 3), is a type I membrane glycoprotein that is a member of the ErbB family of tyrosine kinase receptors. ErbB family members serve as receptors for the epidermal growth factor (EGF) family of growth factors. Among ErbB family members, ErbB3 is unique in that it contains a defective kinase domain. ErbB3 is expressed in keratinocytes, melanocytes, skeletal muscle cells, embryonic myoblasts and Schwann cells. Monomeric ErbB3 serves

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

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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as a low affinity receptor for the heregulins (HRG). ErbB3 can induce specific antibody production in vivo, hence to inhibit tumor cell growth. ErbB-3 can be used to treat early, medium and advanced or post-operative breast cancer with over-expression of ErbB2. According to its mechanism of action, ErbB3 is classified as a therapeutic for cancer.

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

ErbB3 produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 630 amino acids (20-641.a.) and having a molecular mass of 69.5kDa (Molecular size on SDS-PAGE will appear at approximately 70-100kDa). ErbB3 is expressed with an 8 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

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