

32-6967: ErbB3 Mouse

Alternative Name : Receptor tyrosine-protein kinase erbB-3, Glial growth factor receptor, Proto-oncogene-like protein c-ErbB-3.

Description

Source: Sf9, Baculovirus cells.

Sterile Filtered colorless solution.

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 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.

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.

Product Info

Amount : 2 µg / 10 µg

Purification : Greater than 90.0% as determined by SDS-PAGE.

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

Storage condition : 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.

Amino Acid : SEMGNSQAVC PGTNLNLSVT GDADNQQYQTL YKLYEKCEVV MGNLEIVLTG HNADLSFLQW IREVTGYVLV AMNEFSVLPL PNLRVVRGTQ VYDGKFAIFV MLNYNTNSSH ALRQLRFTQL TEILLGGVYI EKNDKLCHMD TIDWRDIVRV PDAEIVVKNN GGNCPPCHEV CKGRCWGP GP EDCQILTKTI CAPQCNGRCF GPNPNQCCHD ECAGGCSGPQ DTDCFACRHF NDSGACVPRC PAPLVYNKLT FQLEPNPHIK YQYGGVCVAS CPHNFVVDQT FCVRACPADK MEVDKNGLKM CEPCRGLCPK ACEGTGSGSR YQTVDSSNID GFVNCTKILG NLDLITGLN GDPWHKIPAL DPEKLNVFRT VREITGYLNI QSWPPMHNF SVFSNLTTIG GRSLYNRGFS LLIMKNLNV T SLGFRSLKEI SAGRVYISAN QQLCYHHS LN WTRLLRGP AE ERLDIKYNRP LGECVAEGKV CDPLCSSGGC WGP GPGQCLS CRNYSREGVC VTHCNVLQGE PREFVHEAHC FSCHPECQPM EGTSTCNGSG SDACARCAHF RDGPHCVNSC PHGILGAKGP IYKYPDAQNE CRPCHENCTQ GCKGPELQDC LGQAEVLSK PHLEHHHHHH.