

## 32-13660: ErbB4 Human

### Alternative Name :

Receptor tyrosine-protein kinase erbB-4, Proto-oncogene-like protein c-ErbB-4, Tyrosine kinase-type cell surface receptor HER4, p180erbB4, 4ICD, E4ICD, s80HER4, ERBB4, HER4, receptor tyrosine-protein kinase erbB-4 isoform JM-a/CVT-1, receptor tyrosine-protein kinase erbB-4, tyrosine kinase-type cell surface receptor HER4, avian erythroblastic leukemia viral (v-erb-b2) oncogene homolog 4, proto-oncogene-like protein c-ErbB-4, ALS19, v-erb-a erythroblastic leukemia viral oncogene homolog 4, v-erb-b2 avian erythroblastic leukemia viral oncogene homolog 4, human epidermal growth factor receptor 4.

### Description

Source:HEK293 Cells.

Physical Appearance: Sterile filtered colorless solution.

Biological Activity: Measured by its binding ability in a functional ELISA with Human NRG1. The ED50 range = 0.2 ug/ml.

Tyrosine Kinase ErbB-4 (ErbB4) is a receptor tyrosine kinase that is a member of the epidermal growth factor receptor family whose members play a role as receptors for the EGF family of growth factors. ErbB4 is a single-pass type I transmembrane protein with multiple furin-like cysteine rich domains, PDZ domain binding motif, a tyrosine kinase domain and a phosphatidylinositol-3 kinase binding site. ErbB4 binds its ligands with low affinity and is expressed in normal skeletal muscle, heart, pituitary, brain and some breast carcinomas. Monomeric ErbB4 takes part in neuronal development and development of the heart and cancer.

ErbB4 Human Recombinant produced in HEK293 Cells is a single, glycosylated polypeptide chain containing 863 amino acids (26-649 a.a) and having a molecular mass of 96.6 kDa. ErbB4 is fused to a 239 amino acid hlgG-His-Tag at C-terminus & purified by proprietary chromatographic techniques.

### Product Info

**Amount :** 10 µg / 2 µg

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

**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 :** QSVCAGTENK LSSLSDEQQ YRALRKYEN CEVVMGNLEI TSIEHNRDLS FLRSVREVTG YVLVALNQFR YLPLENLR II RGTKLYEDRY ALAIFLNRYK DGNFGLQELG LKNLTEILNG GYVDQNKFL CYADTIHWQD IVRNPWPSNL TLVSTNGSSG CGRCHKSTG RCWGPTENHC QTLTRTVCAE QCDGRCYGPY VSDCCHRECA GGCSGPKDTD CFACMNFNDS GACVTQCPQT FVYNPTTFQL EHNFNKYTY GAFVCVKCPH NFVVDSSSCV RACPSSKMEV EENGIKMCKP CTDICPKACD GIGTGLMSA QTVDSSNIDK FINCTKINGN LIFLVTGIHG DPYNAIEAID PEKLNVFRTV REITGFLNIQ SWPPNMTDFS VFSNLVTIGG RVLYSGLSLL ILKQQGITSL QFQSLKEISA GNIYITDNSN LCYYHTINWT TLFSTINQRI VIRDNRKAEN CTAEGMVCNH LCSSDGCWGP GPDQCLSCRR FSRGRICIES CNLYDGEFRE FENGSIKVEC DPQCEKMEDG LLTCHGPGPD NCTKCSHFKD GPNCVEKCPD GLQGANSFIF KYADPDRECH PCHPNCTQGC NGPTSHDCIY YPWTGHSTLP QHARLEPKSC DKHTHTCPPC APELLGGPSV FLFPPKPKDT LMISRTPEVT CVVVDVSHED PEVKFNWYVD GVEVHNAKTK PREEQYNSTY RVVSVLTVLH QDWLNGKEYK CKVSNKALPA PIEKTISKAK GQPREPQVYV LPPSRDELTK NQVSLTCLVK GFYPSDIAVE WESNGQPENN YKTTTPVLDS DGSFFLYSKL TVDKSRWQQG NVFSCSVMHE ALHNHYTQKS LSLSPGKHHH HHH