Datasheet for ABIN7520626

ERBB4 Protein (Fc Tag,His tag)

Go to Product page

Overview

Quantity:	50 µg
Target:	ERBB4
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This ERBB4 protein is labelled with Fc Tag,His tag.

Product Details

Purpose:	Active Recombinant Human ErbB-4/HER4 Protein
Sequence:	QSVCAGTENK LSSLSDLEQQ YRALRKYYEN CEVVMGNLEI TSIEHNRDLS FLRSVREVTG YVLVALNQFR YLPLENLRII RGTKLYEDRY ALAIFLNYRK DGNFGLQELG LKNLTEILNG GVYVDQNKFL CYADTIHWQD IVRNPWPSNL TLVSTNGSSG CGRCHKSCTG RCWGPTENHC QTLTRTVCAE QCDGRCYGPY VSDCCHRECA GGCSGPKDTD CFACMNFNDS GACVTQCPQT FVYNPTTFQL EHNFNAKYTY GAFCVKKCPH NFVVDSSSCV RACPSSKMEV EENGIKMCKP CTDICPKACD GIGTGSLMSA QTVDSSNIDK FINCTKINGN LIFLVTGIHG DPYNAIEAID PEKLNVFRTV REITGFLNIQ SWPPNMTDFS VFSNLVTIGG RVLYSGLSLL ILKQQGITSL QFQSLKEISA GNIYITDNSN LCYYHTINWT TLFSTINQRI VIRDNRKAEN CTAEGMVCNH LCSSDGCWGP GPDQCLSCRR FSRGRICIES CNLYDGEFRE FENGSICVEC DPQCEKMEDG LLTCHGPGPD NCTKCSHFKD GPNCVEKCPD GLQGANSFIF KYADPDRECH PCHPNCTQGC NGPTSHDCIY YPWTGHSTLP QHAR
Specificity:	Gln26-Arg649

Product Details

Purity:	> 97 % by SDS-PAGE.
Sterility:	0.22 μm filtered
Endotoxin Level:	< 0.1 EU/μg of the protein by LAL method.
Biological Activity Comment:	Measured by its binding ability in a functional ELISA. Immobilized Recombinant Human NRG1-beta1 at 2 μg/mL (100 μL/well) can bind Recombinant Human HER4/ErbB4, the EC_{50} of HER4/ErbB4 is 20.99 ng/mL.|2.Measured by its binding ability in a functional ELISA.Immobilized Human ErbB4/Her4 Antibody at 1μg/mL (25 μL/well) can bind Human ErbB4/Her4 with a linear range of 0.46-14.6 ng/mL.

Target Details

Target:	ERBB4
Alternative Name:	ErbB-4/HER4 (ERBB4 Products)
Background:	Description: This protein is a member of the Tyr protein kinase family and the epidermal growth factor receptor subfamily. It a single-pass type I membrane protein with multiple cysteine rich domains, a transmembrane domain, a tyrosine kinase domain, a phosphotidylinositol-3 kinase binding site and a PDZ domain binding motif. The protein binds to and is activated by neuregulins and other factors and induces a variety of cellular responses including mitogenesis and differentiation. Multiple proteolytic events allow for the release of a cytoplasmic fragment and an extracellular fragment. Mutations in this gene have been associated with cancer. Alternatively spliced variants which encode different protein isoforms have been described, however, not all variants have been fully characterized. Name: ALS19,HER4,p180erbB4,ERBB4,HER4/ErbB4
Gene ID:	2066
UniProt:	Q15303
Pathways:	RTK Signaling, Fc-epsilon Receptor Signaling Pathway, EGFR Signaling Pathway, Neurotrophin Signaling Pathway

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized

Handling

Reconstitution:	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid votex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.
Buffer:	Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.
Storage:	-20 °C,-80 °C
Storage Comment:	Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.