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Datasheet for ABIN7319479 ERBB4 Protein (His tag)

Overview

Quantity:	50 µg
Target:	ERBB4
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ERBB4 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human HER4/ErbB4 Protein (His Tag)
Sequence:	Gln26-Arg649
Characteristics:	Recombinant Human HER4 is produced by our Mammalian expression system and the target gene encoding Gln26-Arg649 is expressed with a 6His tag at the C-terminus.
Purity:	> 90 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	ERBB4
Alternative Name:	HER4/ErbB4 (ERBB4 Products)
Background:	Background: ErbB4 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. ErbB4 is expressed in normal skeletal muscle, heart,

Target Details

pituitary, brain and several breast carcinomas. ErbB4 ligands include the neuregulins, beta-cellulin and heparin-binding EGFl like growth factor (HBEGF). Monomeric ErbB4 binds its ligands with low affinity. Several ErbB4 isoforms exist. Two of these differ in the presence of juxtamembrane extracellular sequences which regulate the ability of TACE (TNF α converting enzyme) to proteolytically cleave ErbB4 from the cell surface. These isoforms exhibit tissuespecific expression. Another isoform lacks the phosphoinositide 3kinase activation sequence present in the ErbB4 cytoplasmic domain. ErbB4 appears to play important roles in neuronal development, development of the heart and cancer.

Synonym: Receptor tyrosine-protein kinase erbB-4, Proto-oncogene-like protein c-ErbB-4, Tyrosine kinase-type cell surface receptor HER4, p180erbB4, ERBB4, HER4

Molecular Weight: 70.5 kDa

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

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 μ m filtered solution of PBS, pH 7.4.

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.