Datasheet for ABIN1945377

ERBB3 Protein (AA 20-331) (Fc Tag)

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Overview

Quantity:	50 µg
Target:	ERBB3
Protein Characteristics:	AA 20-331
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ERBB3 protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant Human Receptor Tyrosine-Protein Kinase ErbB-3/HER3 (C-Fc)
Sequence:	SEVGNSQAVC PGTLNGLSVT GDAENQYQTL YKLYERCEVV MGNLEIVLTG HNADLSFLQW IREVTGYVLV AMNEFSTLPL PNLRVVRGTQ VYDGKFAIFV MLNYNTNSSH ALRQLRLTQL TEILSGGVYI EKNDKLCHMD TIDWRDIVRD RDAEIVVKDN GRSCPPCHEV CKGRCWGPGS EDCQTLTKTI CAPQCNGHCF GPNPNQCCHD ECAGGCSGPQ DTDCFACRHF NDSGACVPRC PQPLVYNKLT FQLEPNPHTK YQYGGVCVAS CPHNFVVDQT SCVRACPPDK MEVDKNGLKM CEPCGGLCPK AFVDDIEGRM DEPKSCDKTH TCPPCPAPEL LGGPSVFLFP PKPKDTLMIS RTPEVTCVVV DVSHEDPEVK FNWYVDGVEV HNAKTKPREE QYNSTYRVVS VLTVLHQDWL NGKEYKCKVS NKALPAPIEK TISKAKGQPR EPQVYTLPPS REEMTKNQVS LTCLVKGFYP SDIAVEWESN GQPENNYKTT PPVLDSDGSF FLYSKLTVDK SRWQQGNVFS CSVMHEALHN HYTQKSLSLS PGK
Characteristics:	Recombinant Human ERBB3 is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (AA 20-331) of Human ERBB3 fused with a FC

Product Details

	tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 μm filtered
Endotoxin Level:	Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test

Target Details

Target:	ERBB3
Alternative Name:	ERBB3 (ERBB3 Products)
Background:	Receptor tyrosine-protein kinase erbB-3 is an enzyme that in humans is encoded by the ERBB3 gene. This gene encodes a member of the epidermal growth factor receptor (EGFR) family of receptor tyrosine kinases. ERBB3 belongs to the protein kinase superfamily,tyr protein kinase family and EGF receptor subfamily.It contains 1 protein kinase domain and it is expressed in Epithelial tissues and brain. This membrane-bound protein has a neuregulin binding domain but not an active kinase domain. It therefore can bind this ligand but not convey the signal into the cell through protein phosphorylation. However, it does form heterodimers with other EGF receptor family members which do have kinase activity.
Molecular Weight:	61.6 kDa
UniProt:	P21860
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:	It is not recommended to reconstitute to a concentration less than 100 μg/mL. Dissolve the lyophilized protein in ddH2O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Buffer:	Lyophilized from a 0.2 μm filtered solution of 20 mM PB,150 mM NaCl, pH 7.4.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.

Handling

Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.