Active Recombinant Human ERBB3, Fc-tagged, Biotinylated

Cat. No. ERBB3-621H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Expressed as a 860 amino acid protein consisting of Ser20-Thr643 region of HER3 and a C-terminal Fc Fusion from human IgG1, which exists as a dimmer under non-reducing condition.
Species	Human
Source	Human Cells
ProteinLength	20-643 a.a.
Form	Supplied at 0.5 mg/ml in sterile PBS pH7.4 (carrier and preservative free). The purified recombinant protein was labeled with Biotin (3-5 Biotin per molecule).
Bio-activity	It was reported to inhibit the biological activity of Neuregulin-1 on MCF?7 human breast cancer cells.
Molecular Mass	Calculated molecular mass (kDa): 95.1; Estimated by SDS-PAGE under reducing condition (kDa): 98
AA Sequence	SEVGNSQAVCPGTLNGLSVTGDAENQYQTLYKLYERCEVVMGNLEIVLTGHNADLS FLQWIREVTGYVLVAMNEF STLPLPNLRVVRGTQVYDGKFAIFVMLNYNTNSSHAL RQLRLTQLTEILSGGVYIEKNDKLCHMDTIDWRDIVR DRDAEIVVKDNGRSCPPCHE VCKGRCWGPGSEDCQTLTKTICAPQCNGHCFGPNPNQCCHDECAGGCSGPQDTD CFACRHFNDSGACVPRCPQPLVYNKLTFQLEPNPHTKYQYGGVCVASCPHNFVVD QTSCVRACPPDKMEVDKNG LKMCEPCGGLCPKACEGTGSGSRFQTVDSSNIDGF

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	VNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTV REITGYLNIQSWPPHMHNF SVFSNLTTIGGRSLYNRGFSLLIMKNLNVTSLGFRSLKEISAGRIYISANRQLCY HHSL NWTKVLRGPTEERLDIKHNRPRRDCVAEGKVCDPLCSSGGCWGPGPGQCLSCRN YSRGGVCVTHCNFLNG EPREFAHEAECFSCHPECQPMEGTATCNGSGSDTCAQC AHFRDGPHCVSSCPHGVLGAKGPIYKYPDVQNECRP CHENCTQGCKGPELQDCL GQTLVLIGKTHLTSTGDEPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMIS R TPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLH QDWLNGKEYKCKVSNKAL PAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLT CLVKGFYPSDIAVEWESNGQPENNYKTTPPVLDSDG SFFLYSKLTVDKSRWQQGN VFSCSVMHEALHNHYTQKSLSLSPGK
Endotoxin	<0.1 eu="" per="" 1="" µg="" of="" purified="" recombinant="" protein="" determined="" by="" the="" lal="">
Purity	>95% judged by SDS-PAGE under reducing condition
Storage	The product is shipped at 4°C. Upon receipt, centrifuge the product briefly before opening the vial. It is recommended to store small aliquots at the temperature below –20°C for long-term storage and the product is stable for 3 months. The undiluted protein can be stored at 4°C for no more than 2 weeks. Avoid repeated freeze-thaw cycles.
Conjugation	Biotin

GENE INFORMATION

Gene Name	ERBB3 v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian) [Homo sapiens]
Official Symbol	ERBB3

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Synonyms	ERBB3; v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian); LCCS2, lethal congenital contracture syndrome 2; receptor tyrosine-protein kinase erbB-3; HER3; proto-oncogene-like protein c-ErbB-3; tyrosine kinase-type cell surface receptor HER3; LCCS2; ErbB-3; c-erbB3; erbB3-S; MDA-BF-1; c-erbB-3; p180-ErbB3; p45-sErbB3; p85-sErbB3; MGC88033;
Gene ID	2065
mRNA Refseq	NM_001005915
Protein Refseq	NP_001005915
MIM	190151
UniProt ID	P21860
Chromosome Location	12q13
Pathway	Calcium signaling pathway, organism-specific biosystem; Calcium signaling pathway, conserved biosystem; Downregulation of ERRB2:ERBB3 signaling, organism-specific biosystem; Endocytosis, organism-specific biosystem; Endocytosis, conserved biosystem; ErbB receptor signaling network, organism-specific biosystem; ErbB signaling pathway, organism-specific biosystem;
Function	ATP binding; growth factor binding; growth factor binding; nucleotide binding; protein binding; protein heterodimerization activity; protein heterodimerization activity; protein homodimerization activity; protein tyrosine kinase activator activity; NOT protein tyrosine kinase activity; receptor activity; receptor signaling protein tyrosine kinase activity; transmembrane receptor protein tyrosine kinase activity; transmembrane signaling receptor activity;

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA