

Active Recombinant Human ERBB3(Met1-Thr643), mFc-tagged

Cat. No. ERBB3-43H Lot. No. (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human ERBB3(Met1-Thr643)(P21860), fused with C-terminal mFc tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	20-643 a.a.
Form	Lyophilized from sterile PBS, pH 7.4.
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized human ErbB3-mFc at 10 µg/ml (100 µl/well) can bind biotinylated human NRG1, The EC50 of biotinylated human NRG1 is 0.58-1.25 µg/ml.
Molecular Mass	The recombinant human ErbB3/mFc is a disulfide-linked homodimer. The reduced monomer comprises 858 amino acids and has a predicted molecular mass of 95 kDa. The apparent molecular mass of the protein is approximately 119-129 in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 95 % as determined by SDS-PAGE.
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C.

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Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name

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

Official Symbol

ERBB3

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

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