

Active Recombinant Rat Erbb3 protein, hFc-tagged

Cat. No. Erbb3-7436R Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Erbb3 protein(XP_017450189.1)(Met1-His641), fused with hFc tag, was expressed in HEK293.
Species	Rat
Source	HEK293
ProteinLength	Met1-His641
Form	Lyophilized from sterile PBS, pH 7.4Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
Bio-activity	1. Immobilized rat ERBB3-Fc (Cat: 80111-R02H) at 10 µg/ml (100 µl/well) can bind biotinylated human NRG1 (isoform Beta1) (Cat: 11609-H01H2) with a linear range of 0.018-0.125 µg/ml.2. Immobilized rat ERBB3-Fc (Cat: 80111-R02H) at 10 µg/ml (100 µl/well) can bind biotinylated human NRG1 (aa 2-246)-Fc (Cat: 11609-H04H) with a linear range of 0.018-0.25 µg/ml.
Molecular Mass	The recombinant rat ERBB3/Fc is a disulfide-linked homodimer. The reduced monomer comprises 863 amino acids and has a predicted molecular mass of 95.5 kDa. The apparent molecular mass of the protein is approximately 115 kDa in SDS-PAGE under reducing conditions.

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Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 80 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C 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) [Rattus norvegicus]
Official Symbol	ErbB3
Synonyms	ERBB3; v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian); receptor tyrosine-protein kinase erbB-3; c-erbB3; c-erbB-3; avian erythroblastosis oncogene B 3; proto-oncogene-like protein c-ErbB-3;
Gene ID	29496
mRNA Refseq	NM_017218
Protein Refseq	NP_058914

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