

Recombinant Mouse Erbb3 protein(Met1-His641), His-tagged

Cat. No. Erbb3-2515M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse ERBB3 (Q61526) (Met 1-His 641) was expressed in HEK293, with a C-terminal polyhistidine tag.
Species	Mouse
Source	HEK293
ProteinLength	1-641 a.a.
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured by its binding ability in a functional ELISA. 1. Immobilized mouse ErbB3-His at 10 µg/ml (100 µl/well) can bind biotinylated human NRG1 (isoform Beta1) with a linear range of 0.018-0.125 µg/ml. 2. Immobilized mouse ErbB3-His at 10 µg/ml (100 µl/well) can bind biotinylated human NRG1 (aa 2-246)-Fc with a linear range of 6.25-100 ng/ml.
Molecular Mass	The secreted recombinant mouse ERBB3 comprises 633 amino acids and has a calculated molecular mass of 70 kDa. As a result of glycosylation, the apparent molecular mass of the recombinant protein is approximately 95 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method

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Purity	> 93 % 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) [Mus musculus]
Official Symbol	ErbB3
Synonyms	ERBB3; v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian); receptor tyrosine-protein kinase erbB-3; c-erbB-3; receptor tyrosine kinase; glial growth factor receptor; proto-oncogene-like protein c-ErbB-3; avian erythroblastosis oncogene B 3 receptor; Her3; C76256; ErbB-3; ErbB3r; MGC117742;
Gene ID	13867
mRNA Refseq	NM_010153
Protein Refseq	NP_034283

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