

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

Cat. No. Erbb3-7437R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat ERBB3 (XP_017450189.1) (Met1-His641) was expressed in HEK293, fused with a polyhistidine tag at the C-terminus.
Species	Rat
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	Immobilized Human NRG1 Beta 1 Fc at 2 µg/ml (100 µl/well) can bind Rat HER3/ERBB3 His, the EC50 of Rat HER3/ERBB3 His is 100-400 ng/mL.
Molecular Mass	The recombinant rat ERBB3 comprises 633 amino acids and predicts a molecular mass of 69.9 kDa. The apparent molecular mass of the recombinant protein is approximately 112 kDa in SDS-PAGE under reducing conditions due to glycosylation.
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. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein

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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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