

Active Recombinant Rat ErbB4 protein(Met1-Pro651), His-tagged

Cat. No. ErbB4-1253R Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Rat ERBB4 (AAQ77349.1)(Met1-Pro651) was expressed in HEK293 with a polyhistidine tag at the C-terminus.
Species	Rat
Source	HEK293
ProteinLength	Met1-Pro651
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. Immobilized Human NRG1 Beta 1 Fc at 2 µg/ml (100 µl/well) can bind Rat ErbB4 His, the EC50 of Rat ErbB4 His is 12-60 ng/mL.
Molecular Mass	The recombinant Rat ERBB4 comprises 637 amino acids and predicts a molecular mass of 71.3 kDa. The apparent molecular mass of the recombinant protein is approximately 75-95 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

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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 [ErbB4 v-erb-a erythroblastic leukemia viral oncogene homolog 4 \(avian\) \[Rattus norvegicus \]](#)

Official Symbol [ErbB4](#)

Synonyms ERBB4; v-erb-a erythroblastic leukemia viral oncogene homolog 4 (avian); receptor tyrosine-protein kinase erbB-4; c-erbB-4; receptor tyrosine kinase; proto-oncogene-like protein c-ErbB-4;

Gene ID [59323](#)

mRNA Refseq [NM_021687](#)

Protein Refseq [NP_067719](#)

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