

Active Recombinant Rat Erbb2 protein, His-tagged

Cat. No. Erbb2-4098R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Rat Erbb2 Protein (AAH61863.1, 4-656aa), was expressed in HEK293 with His tag.
Species	Rat
Source	HEK293
ProteinLength	4-656 aa
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	Measured by its ability to bind Anti-Erbb2 Antibody (Pertuzumab) in functional ELISA.
Molecular Mass	The recombinant rat ErbB2 comprises 642 amino acids and predicts a molecular mass of 71.2 kDa. The apparent molecular mass of the rat ErbB2 is approximately 110 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

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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

ErbB2 v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma derived oncogene homolog (avian) [Rattus norvegicus]

Official Symbol

ErbB2

Synonyms

ERBB2; v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma derived oncogene homolog (avian); receptor tyrosine-protein kinase erbB-2; p185neu; C-erbB-2; p185erbB2; NEU proto-oncogene; proto-oncogene NEU; proto-oncogene c-ErbB-2; epidermal growth factor receptor-related protein; Avian erythroblastosis viral (v-erb-B2) oncogene homologue 2 (neuro/glioblastoma derived oncogene homolog);

Gene ID

24337

mRNA Refseq

NM_017003

Protein Refseq

NP_058699

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