

Active Recombinant Mouse Erbb2 protein, hFc-tagged

Cat. No. Erbb2-2514M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Erbb2 Protein (P70424, 1-653aa), was expressed in HEK293 with C-terminal hFc tag.
Species	Mouse
Source	HEK293
ProteinLength	1-653 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.
Bio-activity	Measured by its ability to bind Anti-Erbb2 Antibody (Pertuzumab) in functional ELISA.
Molecular Mass	The secreted recombinant mouse ERBB2/Fc is a disulfide-linked homodimer. The reduced monomer comprises 872 amino acids and has a calculated molecular mass of 96.7 kDa. As a result of glycosylation, the apparent molecular mass of the recombinant protein is approximately 120-130 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 90 % 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 [ErbB2 v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma derived oncogene homolog \(avian\) \[Mus musculus \]](#)

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; c-erbB-2; p185erbB2; Neu oncogene; proto-oncogene NEU; proto-oncogene c-ErbB-2; avian erythroblastosis oncogene B 2; Neu; HER2; HER-2; c-neu; ErbB-2; c-erbB2; mKIAA3023;

Gene ID [13866](#)

mRNA Refseq [NM_001003817](#)

Protein Refseq [NP_001003817](#)

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