

Active Recombinant Human ERBB2 Protein, His-tagged, Biotinylated

Cat. No. ERBB2-570H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Recombinant Human ERBB2 Protein(AAA75493.1)(Pro489-Cys630), fused to C-terminal His tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Pro489-Cys630
Form	Lyophilized from sterile 50 mM Tris, pH 8.0. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Immobilized Her2/ERBB2 Protein, Human, Recombinant (ECD, His Tag), Biotinylated at 2 µg/ml (100 µl/well) can bind Anti-ErbB2 Antibody (Trastuzumab), the EC50 is 25-150 ng/mL.
Molecular Mass	The recombinant human ERBB2 consists of 153 amino acids and predicts a molecular mass of 17.1 kDa.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.
Purity	> 85 % 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.
Conjugation	Biotin
GENE INFORMATION	
Gene Name	ERBB2 v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma derived oncogene homolog (avian) [Homo sapiens]
Official Symbol	ERBB2
Synonyms	ERBB2; v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma derived oncogene homolog (avian); NGL, v erb b2 avian erythroblastic leukemia viral oncogene homolog 2 (neuro/glioblastoma derived oncogene homolog); receptor tyrosine-protein kinase erbB-2; CD340; HER 2; HER2; NEU; herstatin; p185erbB2; proto-oncogene Neu; c-erb B2/neu protein; proto-oncogene c-ErbB-2; metastatic lymph node gene 19 protein; tyrosine kinase-type cell surface receptor HER2; neuroblastoma/glioblastoma derived oncogene homolog; v-erb-b2 avian erythroblastic leukemia viral oncogene homolog 2 (neuro/glioblastoma derived oncogene homolog); NGL; TKR1; HER-2; MLN 19; HER-2/neu;
Gene ID	2064
mRNA Refseq	NM_001005862
Protein Refseq	NP_001005862

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MIM	164870
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UniProt ID	P04626
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