

# Recombinant Human ERBB2 protein(Met1-Thr652), Biotinylated

Cat. No. ERBB2-1062H Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Human ERBB2 Protein (NP_004439.2, 1-652aa), was expressed in HEK293 with C-terminal DDDDK tag and biotinylated conjugate.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	1-652 aa
<b>Conjugation/Label</b>	Biotin
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
<b>Bio-activity</b>	1. Immobilized Her2/ERBB2 Protein, Human, Recombinant (ECD), Biotinylated at 2 µg/ml (100 µl/well) can bind Anti-ErbB2 Antibody (Trastuzumab), the EC50 is 10-50 ng/mL. 2. Using the Octet RED System, the affinity constant (Kd) of Her2 / ERBB2 Protein, Human, Recombinant, Biotinylated bound to Pertuzumab was 0.1 nM.
<b>Molecular Mass</b>	The recombinant human ERBB2 consists of 636 amino acids and predicts a molecular mass of 70 kDa. As a result of glycosylation, human ErbB2 migrates as an approximately 96.7 kDa protein in SDS-PAGE under reducing conditions.
<b>Endotoxin</b>	< 1.0 EU per µg protein as determined by the LAL method.

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<b>Purity</b>	> 95 % as determined by SDS-PAGE.
<b>Storage</b>	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.
<b>Reconstitution</b>	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.
<b>Conjugation</b>	Biotin

## GENE INFORMATION

<b>Gene Name</b>	ERBB2 v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma derived oncogene homolog (avian) [ Homo sapiens ]
<b>Official Symbol</b>	ERBB2
<b>Synonyms</b>	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;
<b>Gene ID</b>	2064
<b>mRNA Refseq</b>	NM_001005862

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**Protein Refseq** [NP\\_001005862](#)

**MIM** [164870](#)

**UniProt ID** [P04626](#)

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