Recombinant Human ERBB2 protein(Met1-Thr652), Biotinylated

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

SPECIFICATION

Product Overview	Recombinant Human ERBB2 Protein (NP_004439.2, 1-652aa), was expressed in HEK293 with C-terminal DDDDK tag and biotinylated conjugate.
Species	Human
Source	HEK293
ProteinLength	1-652 aa
Conjugation/Label	Biotin
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	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.
Molecular Mass	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.
Endotoxin	< 1.0 EU per μg protein as determined by the LAL method.

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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. 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

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Protein Refseq	NP_001005862
MIM	164870
UniProt ID	P04626

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