

Active Recombinant Human ErbB2 protein, hFc-tagged, Biotinylated

Cat. No. ErbB2-2150H Lot. No. (See product label)

SPECIFICATION

Product Overview

Active Recombinant Human ErbB2 Protein (NP_004439.2, 1-652aa), was expressed in HEK293 with C-terminal hFc tag and biotinylated conjugate.

Species

Human

Source

HEK293

ProteinLength

1-652 aa

Form

Lyophilized from sterile PBS, pH 7.4. Please 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

Immobilized Her2/ERBB2 Protein, Human, Recombinant (hFc Tag), Biotinylated at 2 µg/ml (100 µl/well) can bind Anti-ErbB2 Antibody (Trastuzumab), the EC50 is 20-110 ng/mL.

Molecular Mass

The recombinant human ErbB2/Fc chimera is a disulfide-linked homodimeric protein generated by proteolytic removal of the signal peptide. The monomer consists of 868 amino acids and predicts a molecular mass of 96.1 kDa.

Endotoxin

< 1.0 EU per µg protein as determined by the LAL method.

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Purity	> 90 % 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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