

## Recombinant Human ERBB2 protein, His-Avi-tagged, Biotinylated

**Cat. No.** ERBB2-183H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human ERBB2 Protein (P04626-1, 23-652aa), was expressed in HEK293 with C-terminal His tag, Avi tag and biotinylated conjugate.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	23-652 aa
<b>Tag</b>	C-His-Avi
<b>Conjugation/Label</b>	Biotin
<b>Form</b>	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 5% trehalose is added as protectant before lyophilization.
<b>Bio-activity</b>	Immobilized Biotinylated Human Her2, His Tag at 0.5ug/ml (100ul/Well) on streptavidin (5ug/ml) precoated plate. Dose response curve for Anti-HER2 Antibody, hFc Tag with the EC50 of 2.6ng/ml determined by ELISA.
<b>Molecular Mass</b>	The protein has a predicted MW of 72.3 kDa. Due to glycosylation, the protein migrates to 80-100 kDa based on Tris-Bis PAGE result.
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.

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<b>Purity</b>	> 95% as determined by Tris-Bis PAGE;> 95% as determined by HPLC
<b>Storage</b>	Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
<b>Reconstitution</b>	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
<b>Conjugation</b>	Biotin
<b>GENE INFORMATION</b>	
<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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<b>Protein Refseq</b>	NP_001005862
<b>MIM</b>	164870
<b>UniProt ID</b>	P04626

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