

## Active Recombinant Human ERBB2 Protein, His & Avi-tagged, Biotinylated

Cat. No. ERBB2-360H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human ERBB2 Protein (P04626-1, 23-652aa), was expressed in human 293 cells (HEK293) with C-terminal His tag, C-terminal Avi tag and biotinylated conjugate (calculated MW: 73.0 kDa; migrates as 85-95 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation; predicted N-terminus: Thr 23).
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	23-652 aa
<b>Form</b>	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.
<b>Bio-activity</b>	Immobilized Trastuzumab at 3 µg/mL (100 µL/well) can bind Biotinylated Recombinant Human ERBB2 Protein, His & Avi-tagged, Biotinylated with a linear range of 0.2-6 ng/mL (QC tested).
<b>Molecular Mass</b>	73.0 kDa
<b>Endotoxin</b>	Less than 1.0 EU per µg by the LAL method.
<b>Purity</b>	>90% as determined by SDS-PAGE.

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<b>Notes</b>	Please avoid repeated freeze-thaw cycles.
<b>Stability</b>	No activity loss is observed after storage at: 4-8 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution.
<b>Storage</b>	For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower.
<b>Reconstitution</b>	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 mg/ml. Centrifuge the vial at 4 centigrade 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; CD340; HER 2; HER2; NEU; herstatin; p185erbB2; proto-oncogene Neu; NGL; TKR1; HER-2; MLN 19; HER-2/neu;
<b>Gene ID</b>	2064
<b>mRNA Refseq</b>	NM_001005862
<b>Protein Refseq</b>	NP_001005862

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<b>MIM</b>	164870
<b>UniProt ID</b>	P04626

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