

## Recombinant Human erbB-2, Fc-his-tag

Cat. No. ERBB2-81H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human Her-2/neu(erbB-2)-Fc, was expressed in NSO cells, amino acids 630((23-652aa), IgG-Fc (100-330aa) his-tag fusion protein
<b>Species</b>	Human
<b>Source</b>	Mammalian Cells
<b>ProteinLength</b>	23-652 a.a.
<b>Description</b>	HER2/neu (also known as ErbB-2, ERBB2) is a protein highly expressed in breast cancers. The herstatin mRNA is expressed in normal human fetal kidney and liver, but is at reduced levels relative to p185HER-2 mRNA in carcinoma cells that contain an amplified HER-2 gene. Herstatin appears to be an inhibitor of p185HER-2, because it disrupts dimers, reduces tyrosine phosphorylation of p185, and inhibits the anchorage-independent growth of transformed cells that overexpress HER-2.
<b>Molecular Mass</b>	~130 kda under reducing conditions
<b>Purity</b>	>95%
<b>Usage</b>	This item is for LABORATORY RESEARCH USE ONLY.

### GENE INFORMATION

<b>Gene Name</b>	ERBB2 v-erb-b2 erythroblastic leukemia viral oncogene homolog 2,
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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

**Protein Refseq**

NP\_001005862

**MIM**

164870

**UniProt ID**

P04626

**Chromosome Location**

17q11.2-q12

**Pathway**

Adherens junction, organism-specific biosystem; Adherens junction, conserved biosystem; Alpha6-Beta4 Integrin Signaling Pathway, organism-specific biosystem; Axon guidance, organism-specific biosystem; Bladder cancer, organism-specific biosystem; Bladder cancer, conserved biosystem; Calcium signaling pathway,

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organism-specific biosystem;

**Function**

ATP binding; ErbB-3 class receptor binding; Hsp90 protein binding; RNA polymerase I core binding; epidermal growth factor-activated receptor activity; glycoprotein binding; contributes\_to growth factor binding; identical protein binding; nucleotide binding; protein C-terminus binding; protein binding; protein dimerization activity; protein heterodimerization activity; protein heterodimerization activity; protein heterodimerization activity; protein phosphatase binding; protein tyrosine kinase activity; protein tyrosine kinase activity; protein tyrosine kinase activity; receptor activity; receptor signaling protein tyrosine kinase activity; transmembrane receptor protein tyrosine kinase activity; transmembrane signaling receptor activity; ubiquitin protein ligase binding;

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