

Recombinant Human ERBB2, GST-tagged, Active

Cat. No. ERBB2-328H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human HER2 Protein (676-end aa), was expressed in Sf9 cells (via baculovirus) with N-terminal GST tag (molecular weight: 116 kDa).
Species	Human
Source	Sf9 Cells
ProteinLength	676-end a.a.
Description	HER2 gene encodes a cell-surface glycoprotein tyrosine kinase receptor with extensive homology to the epidermal growth factor receptor. HER2 is an oncogene and overexpression of unaltered HER2 coding sequences in NIH 3T3 cells results in cellular transformation and tumorigenesis. HER2 is amplified in about 30% of primary human breast malignancies and overexpression of HER2 is associated with the most aggressive tumors that show uncontrolled proliferation, resistance to apoptosis and increased motility.
Sequence	676-end.
Applications	Kinase Assay, Western Blot.
Storage And Stability	Store product at -70°C . For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

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GENE INFORMATION

Gene Name	ERBB2 v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma derived oncogene homolog (avian) [Homo sapiens]
Synonyms	ERBB2; v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma derived oncogene homolog (avian); NEU; NGL; HER2; TKR1; CD340; HER-2; HER-2/neu; ERBB2; erbB-2; herstatin; c-erb B2/neu protein; neuroblastoma/glioblastoma derived oncogene homolog; v-erb-b2 avian erythroblastic leukemia viral oncogene homolog 2 (neuro/glioblastoma derived oncogene homolog); C-erbB-2; EC 2.7.10.1; p185erbB2; CD340 antigen ; MLN 19; NEU proto-oncogene; Tyrosine kinase-type cell surface receptor HER2
Gene ID	2064
mRNA Refseq	NM_001005862
Protein Refseq	NP_001005862
UniProt ID	P04626
Chromosome Location	17q11.2-q12
MIM	164870
Pathway	Adherens junction; Bladder cancer; Calcium signaling pathway; Endometrial cancer; ErbB signaling pathway; Focal adhesion; Non-small cell lung cancer; Pancreatic cancer; Pathways in cancer; Prostate cancer; Axon guidance
Function	ATP binding; ErbB-3 class receptor binding; Hsp90 protein binding; epidermal growth

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factor receptor activity; glycoprotein binding; growth factor binding; identical protein binding; nucleotide binding; protein C-terminus binding; protein heterodimerization activity; protein phosphatase binding; receptor signaling protein tyrosine kinase activity; transferase activity; transmembrane receptor activity; ubiquitin protein ligase binding

PDB rendering based
on 1n8z.



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