

Tyrosine Kinase ErbB-2 Recombinant Protein | ErbB2 recombinant protein

Recombinant Human Tyrosine Kinase ErbB-2

CATALOG #
AAA38570

HOST
E Coli

PRODUCT SYNONYMS

Tyrosine Kinase ErbB-2; Recombinant Human Tyrosine Kinase ErbB-2; ErbB2 Human; ErbB-2 Human Recombinant; NEU; NGL; HER2; TKR1; HER-2; c-erb B2; HER-2/neu; Receptor tyrosine-protein kinase erbB-2; EC 2.7.10.1; p185erbB2; C-erbB-2; NEU proto-oncogene; Tyrosine kinase-type cell surface receptor HER2; MLN 19; CD340 antigen; ErbB2 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 95% as determined by densitometric image analysis.
Form/Format	The ErbB-2 filtered (0.4um) solution (0.43mg/ml) in 0.05M Acetate buffer pH-4 and 5% trehalose.
Sequence	MTQ VCTGTDMKLR LPASPETHLD MLRHLYQGCQ VVQGNLELTY LPTNASLSFL QDIQEVQGYV LIAHNQVRQV PLQRLRIVRG TQLFEDNYAL AVLDNGDPLN NTPVTGASP GGLRELQLRS LTEILKGGVL IQRNPQLCYQ DTILWKDIFH KNNQLALTLI DTNRSRACHP CSPMCKGSRG WGESSDCQS LTRTVCAAGC ARCKGPLPTD CCHEQCAAGC TGPKHSDCLA CLHFNHSGIC ELHCPALVTY NTDTFESMPN PEGRYTFGAS CVTACPYNLY STDVGSCITLV CPLHNQEVTA EDGTQRCEKC SKPCARGTHS LPPRPAAPV PLRMQPGPAH PVLSEFLRPSW DLVSAFYSLP LAPLSPTSVP ISPVSVGRGP DPDAHVAVDL SRYEG
Sequence Length	1225
Physical Appearance	Filtered colorless solution.
Solubility	It is recommended to add 0.1M Acetate buffer pH-4 to prepare a working stock solution of approximately 0.5mg/ml and let the lyophilized pellet dissolve completely. For conversion into higher pH value, we recommend intensive dilution by relevant buffer to a concentration of 10ug/ml. In higher concentrations the solubility of this antigen is limited. Product is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture. It is recommended to add 5mM DTT and 0.1-0.15M NaCl before freezing in order to prevent potential aggregation.
Preparation and Storage	Store at 4 degree C if entire vial will be used within 2-4 weeks. Store, frozen at -20 degree C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for ErbB2 recombinant protein	Description: ErbB-2 Human Recombinant is a 43.4 kDa protein containing 397 amino acid residues of the human Herstatin, and an extra Methionine at N-Terminal (underlined), produced in E Coli. The ErbB2 is purified by proprietary chromatographic techniques. Introduction: HER-2/neu (erbB-2) encodes an 185-kDa orphan receptor tyrosine kinase that is constitutively active as a dimer and displays potent oncogenic activity when overexpressed. Herstatin, as the product of alternative HER-2 transcript, retains intron 8. 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.
Product Categories/Family for ErbB2 recombinant protein	Protein Kinases; Enzymes; Tyrosine Kinase

NCBI AND UNIPROT INFORMATION

NCBI GI #	54792098
NCBI GeneID	2064
NCBI Accession #	NP_001005862.1
NCBI GenBank Nucleotide #	NM_001005862.2
UniProt Accession #	P04626; Q14256; Q6LDV1; Q9UMK4; B2RZG3; B4DHN3; X5D2V5
NCBI Official Full Name	receptor tyrosine-protein kinase erbB-2 isoform b
NCBI Official Synonym Full Names	erb-b2 receptor tyrosine kinase 2
NCBI Official Symbol	ERBB2
NCBI Official Synonym Symbols	NEU; NGL; HER2; TKR1; CD340; HER-2; MLN 19; HER-2/neu
NCBI Protein Information	receptor tyrosine-protein kinase erbB-2; c-erb B2/neu protein; herstatin; human epidermal growth factor receptor 2; metastatic lymph node gene 19 protein; neuro/glioblastoma derived oncogene homolog; neuroblastoma/glioblastoma derived oncogene homolog; p185erbB2; proto-oncogene Neu; proto-oncogene c-ErbB-2; tyrosine kinase-type cell surface receptor HER2; v-erb-b2 avian erythroblastic leukemia viral oncogene homolog 2; v-erb-b2 avian erythroblastic leukemia viral oncoprotein 2; v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma derived oncogene homolog
UniProt Protein Name	Receptor tyrosine-protein kinase erbB-2
UniProt Gene Name	ERBB2
UniProt Synonym Gene Names	HER2; MLN19; NEU; NGL; MLN 19
UniProt Entry Name	ERBB2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/erbb2-recombinant-protein-e-coli/38570>