

Product datasheet for PA510X

CD340 / ERBB2 / HER2 Human Protein

Product data:

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| Product Type: | Recombinant Proteins |
| Description: | CD340 / ERBB2 / HER2 human recombinant protein, 0.1 mg |
| Species: | Human |
| Expression Host: | E. coli |
| Expression cDNA Clone or AA Sequence: | MTQVCTGTDM KLRLPASPET HLDMLRHLYQ GCQVWQGNLE LTYLPTNASL SFLQDIQEVQ GYVLIAHNQV RQVPLQRLRI VRGTQLFEDN YALAVLDNGD PLNNTTPVTG ASPGGLRELQ LRSLTEILKG GVLIQRNPQL CYQDTILWKD IFHKNNQLAL TLIDTNRSA CHP CSPMCKG SRCWGESSED CQSLTRTVCA GGCARCKGPL PTDCCEQCA AGCTGPKHSD CLACLHFNHS GICELHCPAL VTYNTDTFES MPNPEGRYTF GASCVTACPY NYLSTDVVGSC TLVCPLHNQE VTAEDGTQRC EKCSKPCARG THSLPPRPAA VPVPLRMQPG PAHPVLSFLR PSWDLVSAFY SLPLAPLSPT SVPISPVS VG RGPDPDAHVA VDLSRYEG |
| Concentration: | lot specific |
| Purity: | >95% |
| Buffer: | Presentation State: Purified State: Lyophilized purified protein Buffer System: 0.05 M Acetate buffer pH4 |
| Reconstitution Method: | Restore with deionized water |
| Preparation: | Lyophilized purified protein |
| Applications: | ELISA. Western Blot. |
| Protein Description: | Total 398 AA. MW: 43.4 kDa (calculated). 397 AA of recombinant Human Herstatin and one extra AA, Nterminal methionin (highlighted). |
| Note: | Product is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture. |
| Storage: | Store lyophilized (preferably in a desiccator) at -20°C and in aliquots at -80°C. Reconstituted antibody can be stored at 4°C for a limited period of time; it does not show decline in activity after two weeks at 4°C. Avoid repeated freezing and thawing. |
| Stability: | Shelf life: one year from despatch. |



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RefSeq: [NP_001005862](#)

Locus ID: 2064

UniProt ID: [P04626](#)

Cytogenetics: 17q12

Synonyms: HER-2, NEU, p185erbB2, NGL, c-erbB-2, MNL19

Summary: This gene encodes a member of the epidermal growth factor (EGF) receptor family of receptor tyrosine kinases. This protein has no ligand binding domain of its own and therefore cannot bind growth factors. However, it does bind tightly to other ligand-bound EGF receptor family members to form a heterodimer, stabilizing ligand binding and enhancing kinase-mediated activation of downstream signalling pathways, such as those involving mitogen-activated protein kinase and phosphatidylinositol-3 kinase. Allelic variations at amino acid positions 654 and 655 of isoform a (positions 624 and 625 of isoform b) have been reported, with the most common allele, Ile654/Ile655, shown here. Amplification and/or overexpression of this gene has been reported in numerous cancers, including breast and ovarian tumors. Alternative splicing results in several additional transcript variants, some encoding different isoforms and others that have not been fully characterized. [provided by RefSeq, Jul 2008]

Protein Families: ELISA.
Western Blot.

Protein Pathways: 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

Product images:

