

HER2 / ErbB2 / CD340 recombinant protein

Recombinant Mouse HER2/ErbB2 Protein (His Tag)

CATALOG #
AAA173588

HOST
HEK293 Cells

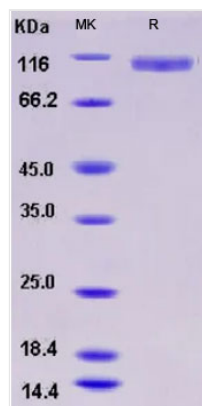
PRODUCT SYNONYMS

HER2 / ErbB2 / CD340; Recombinant Mouse HER2/ErbB2 Protein (His Tag); c-erbB2; c-neu; Erbb-2; HER-2; HER2; I11Jus8; mKIAA3023; Neu; HER2 / ErbB2 / CD340 recombinant protein

PRODUCT SPECIFICATIONS

Host	HEK293 Cells
Purity/Purification	> 95 % as determined by SDS-PAGE
Form/Format	Lyophilized from sterile PBS, pH 7.4, 5% Trehalose, 5% Mannitol, 0.01% Tween 80.
Sequence	Met1-Thr65 3
Species	Mouse
Tag	C-His
Endotoxin	< 1.0 EU per ug of the protein as determined by the LAL method.
Reconstitution	We recommend that the vial be centrifuged to prior to opening to bring contents to the bottom. Do not mix by vortex. It is recommended that the sterile water be added to the vial to prepare a stock solution of 0.25 mg/mL. Concentration is measured by UV-Vis
Preparation and Storage	Lyophilized protein should be stored at < -20°C. Reconstituted protein solution can be stored at 4°C to 7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for HER2 / ErbB2 / CD340 recombinant protein	Epidermal growth factor receptor 2 (HER2), also known as ErbB2, NEU, and CD340, is a type I membrane glycoprotein, and belongs to the epidermal growth factor (EGF) receptor family. HER2 protein cannot bind growth factors due to the lacking of ligand binding domain of its own and autoinhibited constitutively. However, HER2 forms a heterodimer with other ligand-bound EGF receptor family members, therefore stabilizes ligand binding and enhances kinase-mediated activation of downstream molecules. HER2 plays a key role in development, cell proliferation and differentiation. HER2 gene has been reported to associate with malignancy and a poor prognosis in numerous carcinomas, including breast, prostate, ovarian, lung cancers and so on.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	54873610
NCBI GeneID	13866
NCBI Accession #	NP_001003817.1
NCBI GenBank Nucleotide #	NM_001003817.1
UniProt Accession #	P70424; Q61525; Q6ZPE0
Molecular Weight	Mol_Mass: 71.1 kDa AP_Mol_Mass: 100-110 kDa
NCBI Official Full Name	receptor tyrosine-protein kinase erbB-2
NCBI Official Synonym Full Names	erb-b2 receptor tyrosine kinase 2
NCBI Official Symbol	ErbB2
NCBI Official Synonym Symbols	Neu; HER2; HER-2; c-neu; ErbB-2; c-erbB2; l11Jus8; mKIAA3023
NCBI Protein Information	receptor tyrosine-protein kinase erbB-2
UniProt Protein Name	Receptor tyrosine-protein kinase erbB-2
UniProt Gene Name	ErbB2
UniProt Synonym Gene Names	Kiaa3023; Neu

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.