

Recombinant Mouse HER2/ErbB2 Protein (Fc Tag)

Catalog Number:PKSM040282



Note: Centrifuge before opening to ensure complete recovery of vial contents.

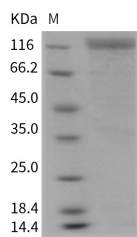
Description

Synonyms	c-erbB2;c-neu;ErbB-2;HER-2;HER2;l11Jus8;mKIAA3023;Neu
Species	Mouse
Expression Host	HEK293 Cells
Sequence	Met 1-Thr 653
Accession	P70424
Calculated Molecular Weight	96.7 kDa
Observed molecular weight	120-130 kDa
Tag	C-hFc
Bioactivity	Measured by its ability to bind Anti-ErbB2 Antibody (Pertuzumab) in functional ELISA.

Properties

Purity	> 90 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile PBS, pH 7.4 Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 90 % as determined by reducing SDS-PAGE.

Background

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,

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prostate, ovarian, lung cancers and so on.

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