

Biotinylated Recombinant Human ErbB-2/HER2/CD340 Protein

Catalog No.: RP00494B **Recombinant**

Sequence Information

| Species | Gene ID | Swiss Prot |
|---------|---------|------------|
| Human | 2064 | P04626-1 |

Tags

C-His&Avi

Synonyms

CD340; EGFR2; ErbB2; HER2; HER-2; herstatin; MLN 19; MLN19; NGL; TKR1; ERBB2; NEU; ENV; ENVW; ERVWE1; HERV7Q; HERVW

Product Information

| Source | Purification |
|--------------|---------------------------------|
| HEK293 cells | > 95% by SDS-PAGE > 95% by HPLC |

| Calculated MW | Observed MW |
|---------------|-------------|
| 72.3 kDa | 80-100 kDa |

Endotoxin

< 1 EU/μg of the protein by LAL method

Formulation

Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

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Background

ErbB2, also called Neu and Her2 (human epidermal growth factor receptor 2), is a type I membrane glycoprotein that is a member of the ErbB family of tyrosine kinase receptors. ErbB family members serve as receptors for the epidermal growth factor (EGF) family of growth factors. Upon ERBB2 activation, the MEMO1-RHOA-DIAPH1 signaling pathway elicits the phosphorylation and thus the inhibition of GSK3B at cell membrane.

Basic Information

Description

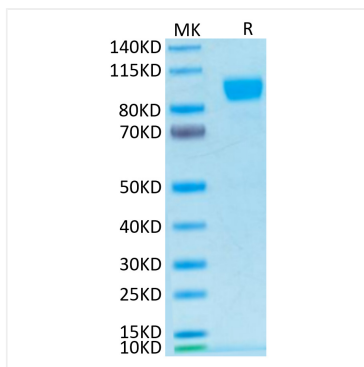
Biotinylated Recombinant Human Her2/ErbB2 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Thr23-Thr652) of Human Her2/ErbB2 (Accession #P04626-1) fused with a C-His&Avi tag at the C-terminus.

Bio-Activity

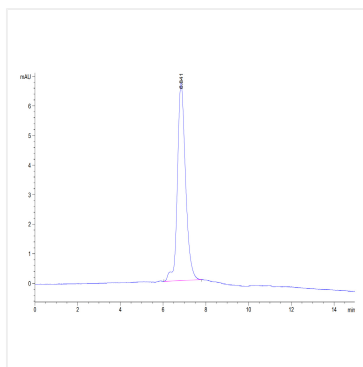
Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

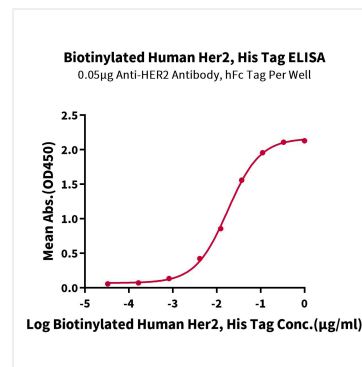
Validation Data



Biotinylated Human Her2 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



The purity of Biotinylated Human Her2 is greater than 95% as determined by SEC-HPLC.



Immobilized Anti-Her2 Antibody, hFc Tag at 0.5 µg/mL (100 µL/Well) on the plate. Dose response curve for Biotinylated Human Her2, His Tag with the EC₅₀ of 17.8ng/mL determined by ELISA.