

Biotinylated Recombinant Human ERBB2/HER2/CD340 (489-630) Protein

Catalog No.: RP00493B **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

HEK293 cells

Purification

≥ 95 % as determined by SDS-PAGE; ≥ 95 % as determined by HPLC.

Calculated MW

18.5 kDa

Observed MW

28-40 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

 | 400-999-6126 | cn.market@abclonal.com.cn

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. This prevents the phosphorylation of APC and CLASP2, allowing its association with the cell membrane.

Basic Information

Description

Biotinylated Recombinant Human ERBB2/HER2/CD340 (489-630) Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Pro489-Cys630) of Human ERBB2/HER2/CD340 (489-630) (Accession #P04626-1) fused with a C-His&Avi tag at the C-terminus.

Bio-Activity

Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

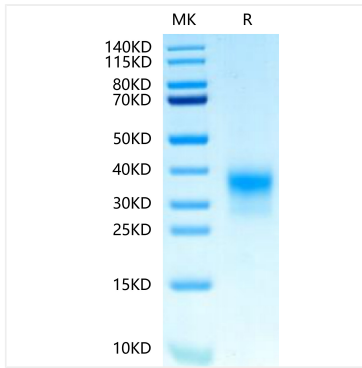
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

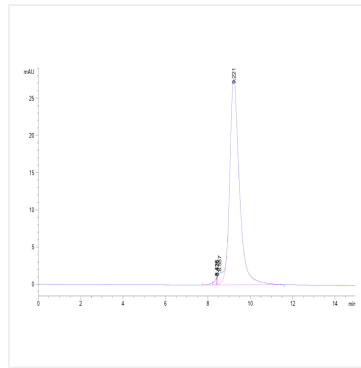
Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

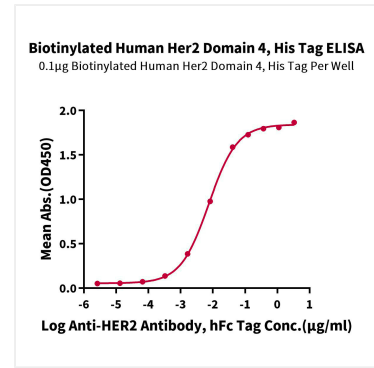
Validation Data



Biotinylated Recombinant Human ERBB2/HER2/CD340 (489-630) Protein was determined by Tris-Bis PAGE under reducing conditions.



The purity of Biotinylated Human Her2 Domain 4 is greater than 95% as determined by SEC-HPLC.



Immobilized Biotinylated Human Her2 Domain 4, His Tag at 1 μ g/mL (100 μ L/well) on the streptavidin precoated plate (5 μ g/mL). Dose response curve for Anti-HER2 Antibody, hFc Tag with the EC₅₀ of 7.5ng/mL determined by ELISA.