

Biotinylated Recombinant Human ErbB-3/HER3 Protein

Catalog No.: RP02376B Recombinant

Sequence Information

| Species | Gene ID | Swiss Prot |
|---------|---------|------------|
| Human | 2065 | P21860 |

Tags

C-His&Avi

Synonyms

ErbB-3; HER3; LCCS2; MDA-BF-1; c-erbB-3; c-erbB3; erbB3-S; p180-ErbB3; p45-sErbB3; p85-sErbB3; ERBB3; HER3; LCCS2; MDA-BF-1; c-erbB-3; c-erbB3; erbB3-S; p180-ErbB3; p45-sErbB3; p85-sErbB3; FERLK; VSCN1; ErbB-3

Product Information

| Source | Purification |
|--------------|--|
| HEK293 cells | ≥ 95 % as determined by Tris-Bis PAGE; ≥ 95 % as determined by HPLC. |

| Calculated MW | Observed MW |
|---------------|-------------|
| 71.6 kDa | 90-100 kDa |

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

Reconstitution

Centrifuge the tube 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 freeze-thaw cycles.

Contact

 | 400-999-6126

Background

Her3, also called ErbB3, is a type I membrane glycoprotein that is a member of the ErbB family of tyrosine kinase receptors. Her3 is expressed in keratinocytes, melanocytes, skeletal muscle cells, embryonic myoblasts and Schwann cells. Monomeric Her3 serves as a low affinity receptor for the heregulins (HRG). Mutation leads to a deletion of exons 2-7 of the EGFR gene and renders the mutant receptor incapable of binding any known ligand.

Basic Information

Description

Biotinylated Recombinant Human ErbB-3/HER3 Protein is produced by Expi293 expression system. The target protein is expressed with sequence (Ser20-Thr643) of Human ErbB3/Her3 fused with a His and Avi tag at the C-terminal.

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.

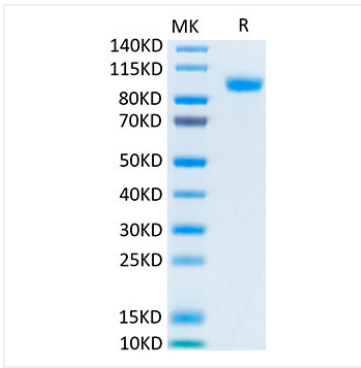
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

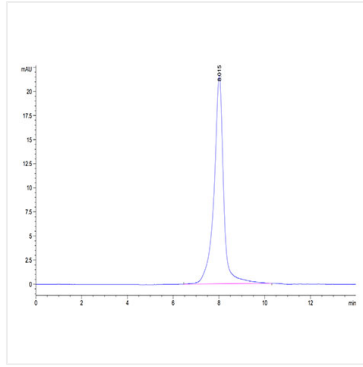
Operational Notes

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

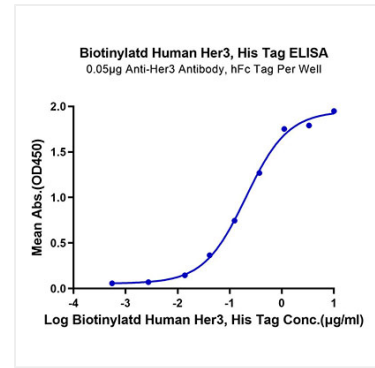
Validation Data



Biotinylated Recombinant Human ErbB-3/HER3 Protein was determined by Tris-Bis PAGE under reducing conditions with Coomassie Blue.



The purity of Biotinylated Human Her3 is greater than 95% as determined by SEC-HPLC.



Immobilized Anti-Her3 Antibody, hFc Tag at 0.5 µg/ml (100 µl/well) on the plate. Dose response curve for Biotinylatd Human Her3, His Tag with the EC₅₀ of 0.20 µg/ml determined by ELISA.