

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% by Tris-Bis PAGE;> 95% by SEC-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 free-thaw cycles.

Contact

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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

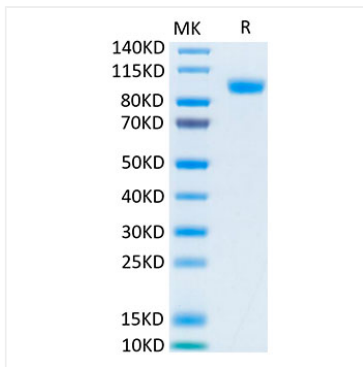
Storage

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.

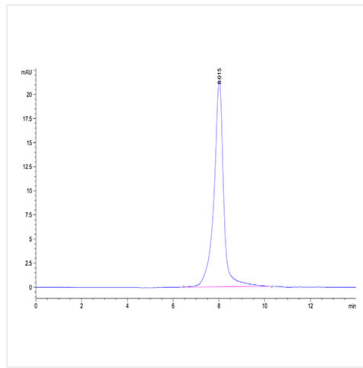


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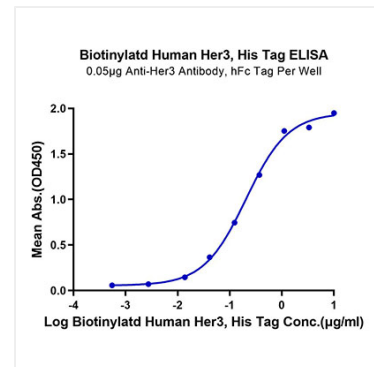
Validation Data



Biotinylated Human Her3 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



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



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