

Biotinylated Recombinant Human ErbB-3/HER3 Protein

Catalog No.: RP02376B

Sequence Information

Species	Gene ID
Human	2065
Swiss Prot	Tags
P21860	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 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.

Activity

Shipping

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

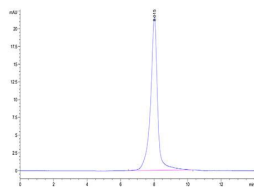
Storage

Store at -20°C

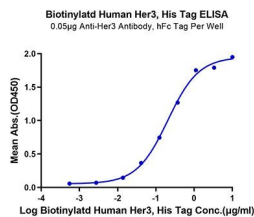
Operational Notes

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

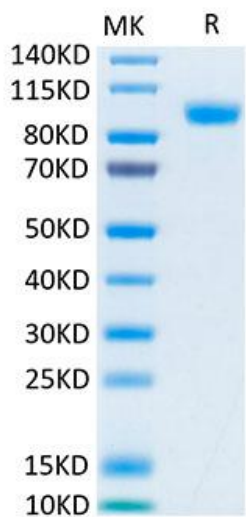
Validation Data



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 Biotinylatd Human Her3, His Tag with the EC₅₀ of 0.20µg/ml determined by ELISA.



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