Biotinylated Recombinant Human IGF1R/CD221 Protein

Catalog No.: RP02386B

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Sequence Information

Species
Human

Gene ID
3480

Swiss Prot
P08069

Tags
C-His&Avi

Synonyms
IGF1R,CD221,IGFIR,IGFR,JTK13

Product Information

Source
HEK293 cells

Purification
≥ 95 % as determined by Tris-Bis PAGE;≥ 95 % as determined by HPLC.

Calculated MW
105.8, 23 kDa

Observed MW
110-120, 52-55 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 stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

The type 1 IGF receptor (IGF1R) is a transmembrane tyrosine kinase that is frequently overexpressed by tumours, and mediates proliferation and apoptosis protection. IGF signalling also influences hypoxia signalling, protease secretion, tumour cell motility and adhesion, and thus can affect the propensity for invasion and metastasis. Therefore, the IGF1R is now an attractive anti-cancer treatment target.

Basic Information

Description
Biotinylated Recombinant Human IGF1R/CD221 Protein is produced by Expi293 expression system. The target protein is expressed with sequence (Met1-Asn932) of Human IGF1R fused with a His tag 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℃

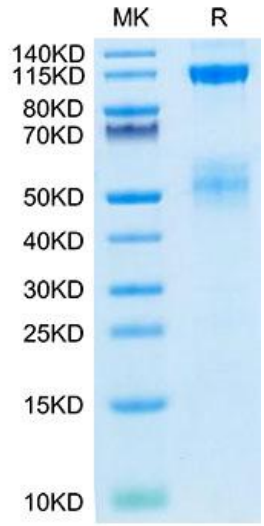
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

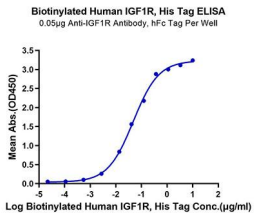
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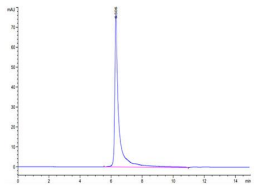
Validation Data



Biotinylated Recombinant Human IGF1R/CD221 Protein was determined by Tris-Bis PAGE under reducing conditions with Coomassie Blue.



Immobilized Anti-IGF1R Antibody at 0.5μg/ml (100μl/well) on the plate. Dose response curve for Biotinylated Human IGF1R, His Tag with the EC_{50} of 48.0ng/ml determined by ELISA.



The purity of Biotinylated Human IGF1R is greater than 95% as determined by SEC-HPLC.