

Biotinylated Recombinant Human IGF1R/CD221 Protein www.abclonal.com

Catalog No.: RP02386B Recombinant

Sequence Information

Species Gene ID Swiss Prot Human 3480 P08069

Tags C-His&Avi

SynonymsIGF1R;CD221;IGFIR;IGFR;JTK13

Product Information

Source Purification HEK293 cells ≥ 95 % as

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

Calculated MW Observed MW 105.8, 23 kDa 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.

Contact

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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.

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.

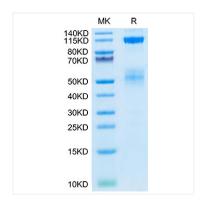
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

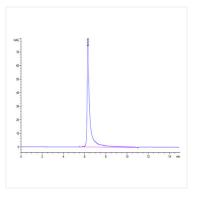
Operational Notes

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

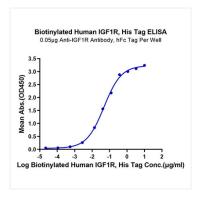
Validation Data



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



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



Immobilized Anti-IGF1R Antibody at 0.5 μ g/ml (100 μ l/well) on the plate. Dose response curve for Biotinylated Human IGF1R, His Tag with the EC₅₀ of 48.0ng/ml determined by ELISA.