

Biotinylated Recombinant Human FGFR-3 beta (IIIb)/CD333 Protein

Catalog No.: RP00462B **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	2261	P22607-2

Tags

C-His&Avi

Synonyms

ACH; CD333; CEK; CEK2; EC 2.7.10; FGF R3; FGFR3; HSFGR3EX; JTK4

Product Information

Source	Purification
HEK293 cells	≥ 95 % as determined by SDS-PAGE; ≥ 95 % as determined by HPLC.

Calculated MW	Observed MW
30.5 kDa	40-55 kDa

Endotoxin

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

Formulation

Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

Reconstitution

Centrifuge the vial 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.

Background

Four distinct genes encoding closely related FGF receptors, FGF R1-4, are known. All four genes for FGF Rs encode proteins with an N-terminal signal peptide, three immunoglobulin (Ig)-like domains, an acid?box region containing a run of acidic residues between the Igl and IgII domains, a transmembrane domain and the split tyrosine-kinase domain. FGFR3 is tyrosine-protein kinase that acts as cell-surface receptor for fibroblast growth factors and plays an essential role in the regulation of cell proliferation, differentiation and apoptosis.

Basic Information

Description

Biotinylated Recombinant Human FGFR-3 beta (IIIb)/CD333 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Asp127-Gly377) of Human FGFR3 beta (IIIb) (Accession #P22607-2) fused with a C-His&Avi tag at the C-terminus.

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.

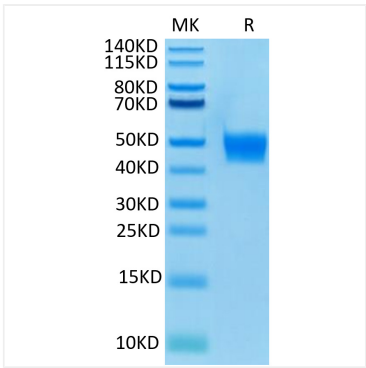
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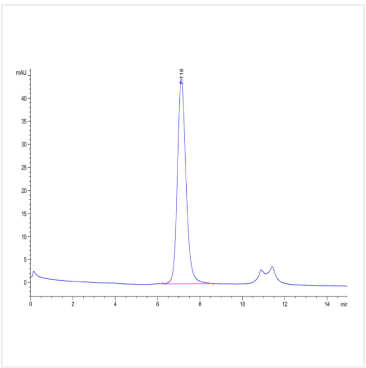
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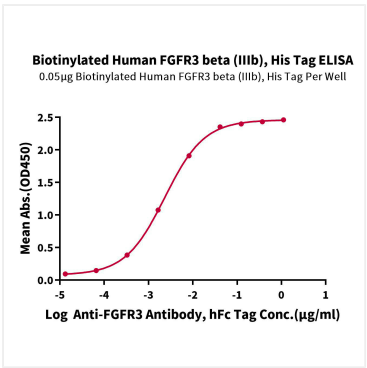
Validation Data



Biotinylated Recombinant Human FGFR-3 beta (IIIb)/CD333 Protein was determined by Tris-Bis PAGE under reducing conditions.



The purity of Biotinylated Human FGFR3 beta (IIIb) is greater than 95% as determined by SEC-HPLC.



Immobilized Biotinylated Human FGFR3 beta (IIIb) , His Tag at 0.5 µg/mL (100 µL/well) on the streptavidin precoated plate (5 µg/mL). Dose response curve for Anti-FGFR3 Antibody, hFc Tag with the EC₅₀ of 2.3ng/mL determined by ELISA.