

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% by SDS-PAGE > 95% 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.

Contact

☎ | 400-999-6126

✉ | cn.market@abclonal.com.cn

🌐 | www.abclonal.com.cn

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

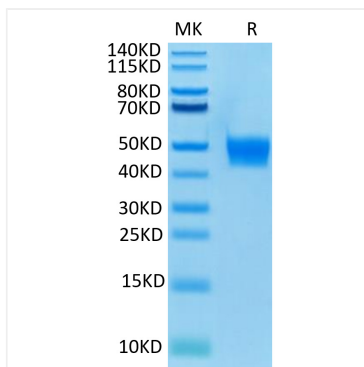
Biotinylated Recombinant Human FGFR-3 beta (IIIb)/CD333 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Asp127-Gly377) of Human FGFR3 beta (IIIb) (Accession #P22607-2) fused with a C-His&Avi tag at the C-terminus.

Bio-Activity

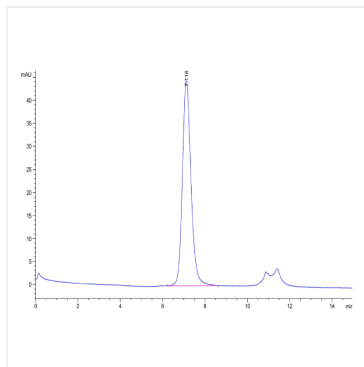
Storage

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.

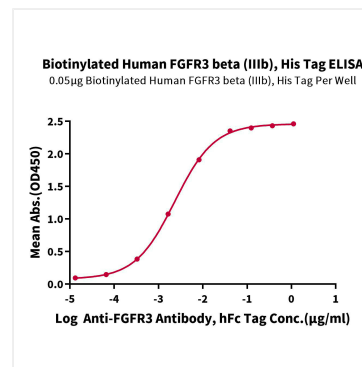
Validation Data



Biotinylated Human FGFR3 beta (IIIb) on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



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.