

Recombinant Human FGFR-2 alpha (IIIb)/KGFR/CD332 Protein

Catalog No.: RP02533 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	2263	P21802-3

Tags

C-His

Synonyms

FGF R2a; FGFR2 alpha; KGFR; CD332; BBDS; BEK; BFR-1; CEK3; CFD1; ECT1; JWS; K-SAM; KGFR; TK14; TK25; FLJ98662

Product Information

Source	Purification
HEK293 cells	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

Calculated MW	Observed MW
40.7 kDa	60-80 kDa

Endotoxin

Less than 1EU per µg by the LAL method.

Formulation

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 freeze-thaw cycles.

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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. Multiple forms of FGF R1 - 3 are generated by alternative splicing of the mRNAs. A frequent splicing event involving FGF R1 and 2 results in receptors containing all three Ig domains, referred to as the alpha? isoform, or only IgII and IgIII, referred to as the beta? isoform.

Basic Information

Description

Recombinant Human FGFR-2 alpha (IIIb)/KGFR/CD332 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Arg22-Glu378) of human FGFR-2 alpha (IIIb)/KGFR/CD332 (Accession #P21802-3) fused with His tag at the C-terminus.

Bio-Activity

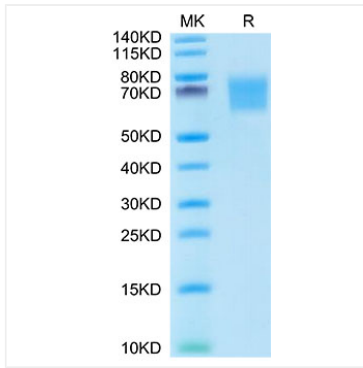
Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

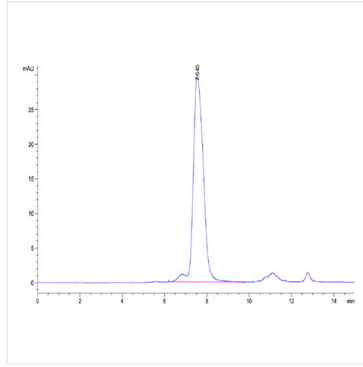
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

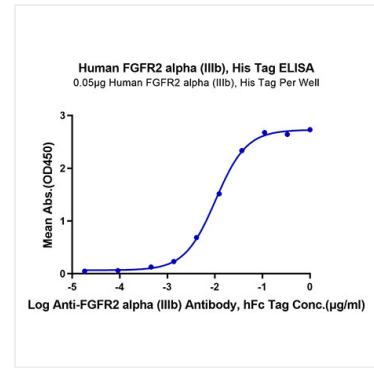
Validation Data



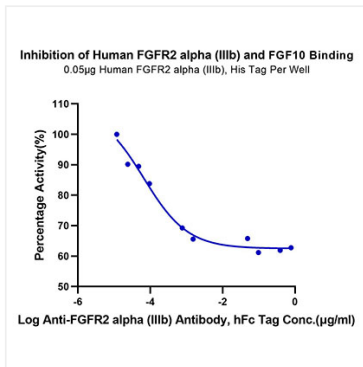
Human FGFR2 alpha (IIIb) on Tris-Bis PAGE under reduced conditions. The purity is greater than 95%.



The purity of Human FGFR2 alpha (IIIb) is greater than 95% as determined by SEC-HPLC.



Immobilized Human FGFR2 alpha (IIIb) , His Tag at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Anti-FGFR2 alpha (IIIb) Antibody, hFc Tag with the EC_{50} of 10.4ng/ml determined by ELISA.



Serial dilutions of Anti-FGFR2 alpha (IIIb) Antibody were added into Human FGFR2 alpha (IIIb) , His Tag : Biotinylated Human FGF10, No Tag binding reactions.