

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

Catalog No.: RP02530 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Human	2263	P21802-3

### Tags

C-hFc

### 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
66.4 kDa	80-115 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.

## Contact

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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

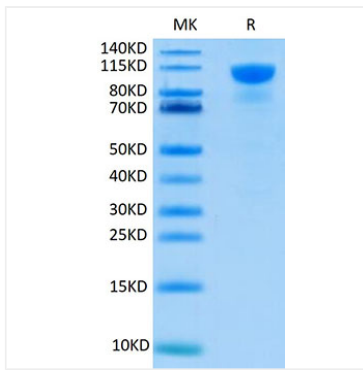
Recombinant Human FGFR-2 alpha (IIIb)/KGFR/CD332 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Arg22-Glu378) of human FGFR-2 alpha (IIIb)/KGFR/CD332 (Accession #P21802-3) fused with hFc tag at the C-terminus.

### Bio-Activity

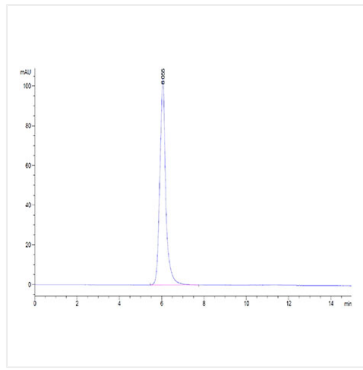
### Storage

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.

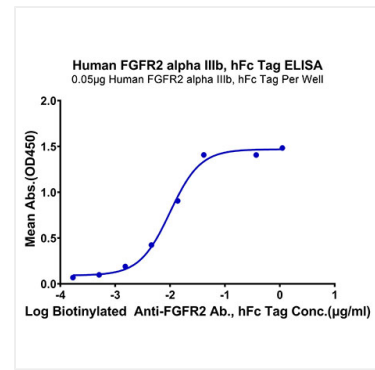
## Validation Data



Human FGFR2 alpha (IIIb) on Tris-Bis PAGE under reduced condition. 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, hFc tag at 0.5µg/ml (100µl/Well). Dose response curve for Biotinylated Anti-FGFR2 Ab., hFc Tag with the EC<sub>50</sub> of 10.0ng/ml determined by ELISA.