

Recombinant Human FGFR2 beta (IIIb)/KGFR/CD332 Protein

Catalog No.: RP02531 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	2263	P21802-3

Tags

C-His

Synonyms

Fibroblast growth factor receptor
2[FGFR-2]KGFR[K-sam]Keratinocyte
growth factor
receptor[CD332]BEK[KSAM]

Product Information

Source

HEK293 cells

Purification

> 95% as
determined by Tris-
Bis PAGE > 95% as
determined by HPLC

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 free-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

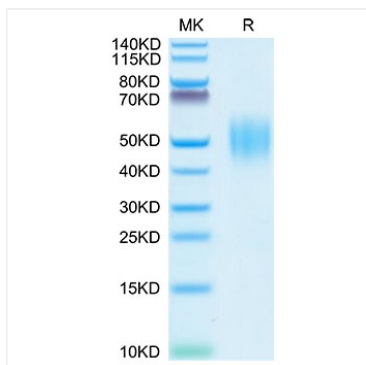
Recombinant Human FGFR2 beta (IIIb) Protein is expressed from Expi293 with His tag at the C-terminal. It contains Arg152-Glu378.

Bio-Activity

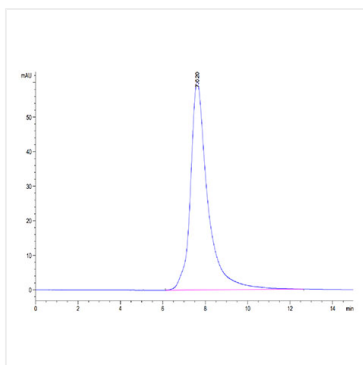
Storage

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.

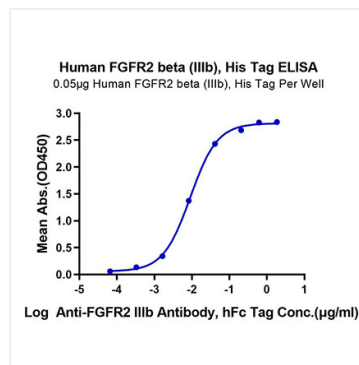
Validation Data



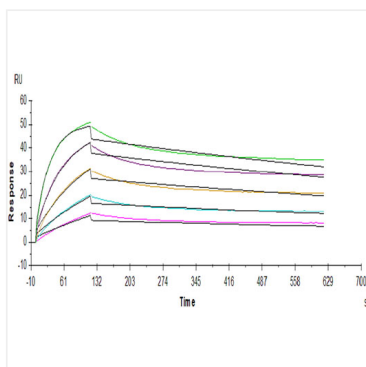
Human FGFR2 beta (IIIb) on Tris-Bis PAGE under reduced conditions. The purity is greater than 95%.



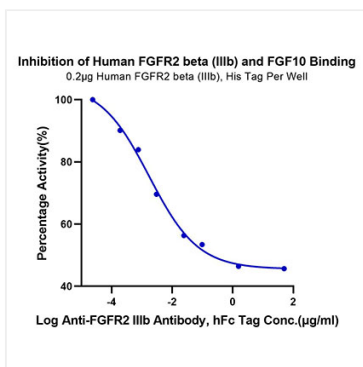
The purity of Human FGFR2 beta (IIIb) is greater than 95% as determined by SEC-HPLC.



Immobilized Human FGFR2 beta (IIIb) , His Tag at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Anti-FGFR2 IIIb Antibody, hFc Tag with the EC₅₀ of 9ng/ml determined by ELISA.



Anti-FGFR2 Antibody, hFc Tag can bind Human FGFR2 beta (IIIb) , His Tag with an affinity constant of 1.98nM as determined in a SPR assay (Biacore T200).



Serial dilutions of Anti-FGFR2 IIIb Antibody were added into Human FGFR2 beta (IIIb) , His Tag : Biotinylated Human FGF10, No Tag binding reactions. The half maximal inhibitory concentration (IC₅₀) is 1.74ng/ml.