

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

Catalog No.: RP02531

Sequence Information

Species **Gene ID**
Human 2263

Swiss Prot **Tags**
P21802-3 C-His

Synonyms

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

Product Information

Source **Purification**
HEK293 cells ≥ 95 % as determined by Tris-Bis PAGE; ≥ 95 % as determined by HPLC.

Calculated MW **Observed MW**
26.5 kDa 45-60 kDa

Endotoxin
< 1 EU/μg of the protein by 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.

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 IgI 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 beta (IIIb)/KGFR/CD332 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Arg152-Glu378) of human FGFR-2 beta (IIIb)/KGFR/CD332 (Accession #P21802-3) fused with His tag at the C-terminus.

Activity

Shipping

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

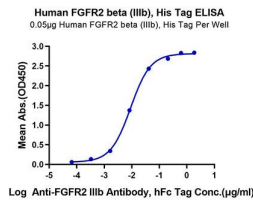
Contact

☎ | 400-999-6126

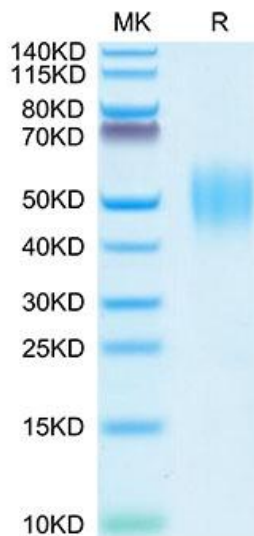
✉ | cn.market@abclonal.com.cn

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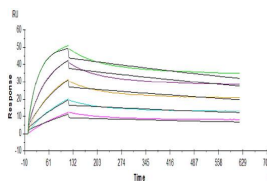
Validation Data



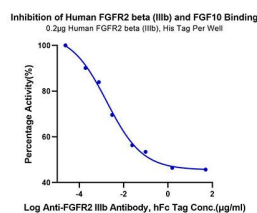
Immobilized Human FGFR2 beta (IIIb) , His Tag at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Anti-FGFR2 IIIb Antibody, hFc Tag with the EC₅₀ of 9ng/ml determined by ELISA.



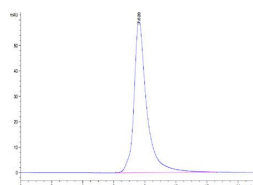
Recombinant Human FGFR-2 beta (IIIb)/KGFR/CD332 Protein was determined by Tris-Bis PAGE under reducing conditions.



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.



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