

Rat FGFR2 beta (IIIb) Protein

Cat. No. FGF-RM1BB



Description

Source	Recombinant Rat FGFR2 beta (IIIb) Protein is expressed from HEK293 with His tag at the C-terminus. It contains Pro84-Glu308.
Accession	F1LRU8
Molecular Weight	The protein has a predicted MW of 26.86 kDa. Due to glycosylation, the protein migrates to 60-90 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.1 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage

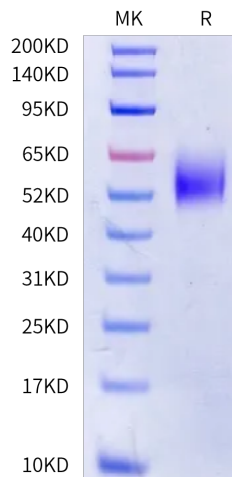
Formulation	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-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.

Assay Data

Bis-Tris PAGE



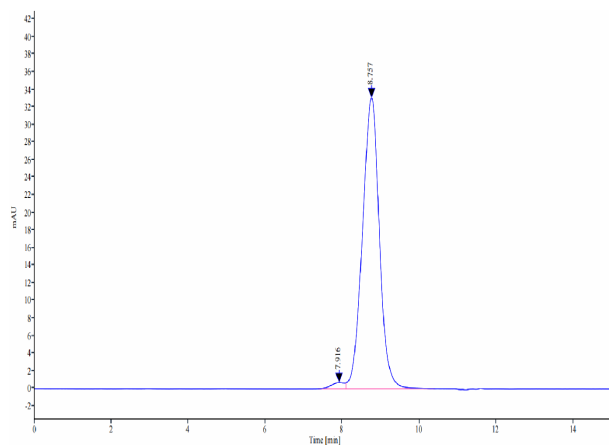
Rat FGFR2 beta (IIIb) on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

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Assay Data



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

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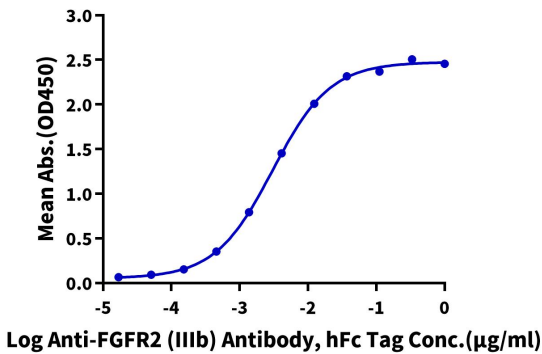


Assay Data

ELISA Data

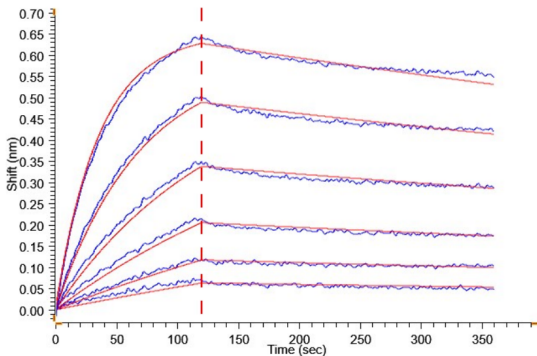
Rat FGFR2 beta (IIIb), His Tag ELISA

0.05µg Rat FGFR2 beta (IIIb), His Tag Per Well



Immobilized Rat 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 3.0ng/ml determined by ELISA.

BLI Data



Loaded Anti-FGFR2 (IIIb) Antibody, hFc Tag on ProA-Biosensor can bind Rat FGFR2 beta (IIIb), His Tag with an affinity constant of 5.10 nM as determined in BLI assay.