

Human FGFR2 beta (IIIb) Domain Protein

Cat. No. FGF-HM2BD

Description

Source	Recombinant Human FGFR2 beta (IIIb) Domain Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains Pro253-Glu378.
Accession	P21802-3
Molecular Weight	The protein has a predicted MW of 40.5 kDa. Due to glycosylation, the protein migrates to 60-68 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage

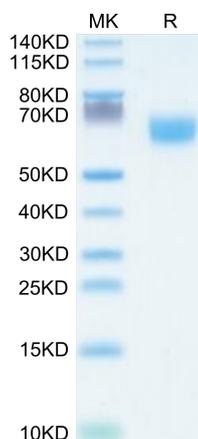
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 24 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.

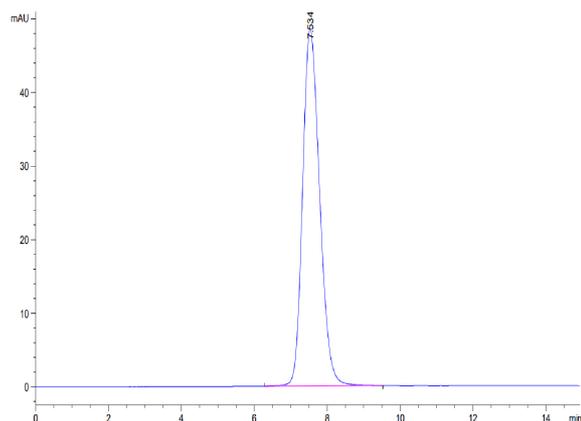
Assay Data

Bis-Tris PAGE



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

SEC-HPLC



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

Human FGFR2 beta (IIIb) Domain Protein

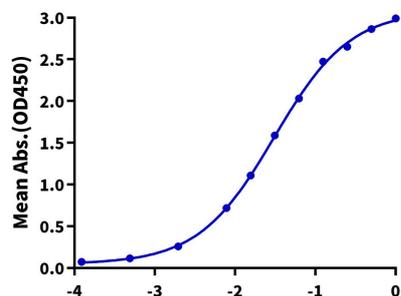
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Assay Data

ELISA Data

Human FGFR2 beta (IIIb) Domain, hFc Tag ELISA

0.1µg Human FGFR2 beta (IIIb) Domain, hFc Tag Per Well



Immobilized Human FGFR2 beta (IIIb) Domain, hFc Tag at 1µg/ml (100µl/Well) on the plate. Dose response curve for Biotinylated Anti-FGFR2 (IIIb) Antibody, hFc Tag with the EC50 30.7ng/ml determined by ELISA.