

Biotinylated Human FGFR2 beta (IIIb) Domain Protein



Cat. No. FGF-HM4BDB

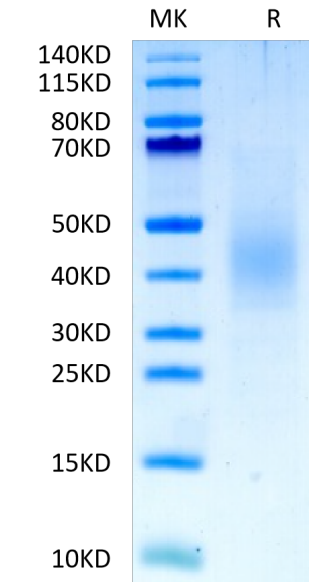
Description	
Source	Recombinant Biotinylated Human FGFR2 beta (IIIb) Domain Protein is expressed from HEK293 with Avi tag at the C-Terminus. It contains Pro253-Glu378.
Accession	P21802-3
Molecular Weight	The protein has a predicted MW of 15.49 kDa. Due to glycosylation, the protein migrates to 32-50 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 90% 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



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

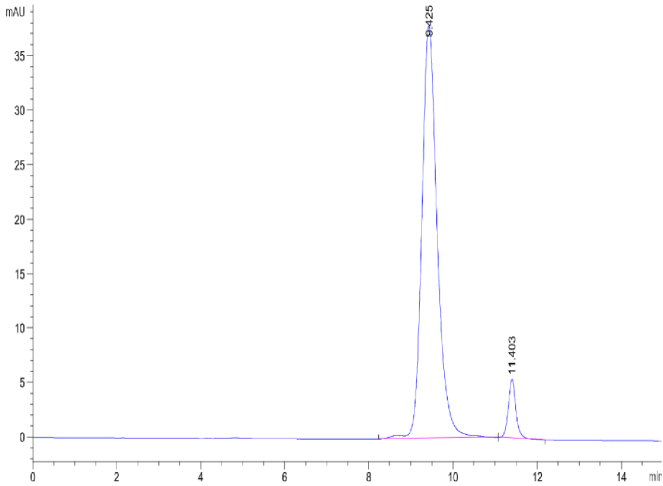
SEC-HPLC

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Assay Data

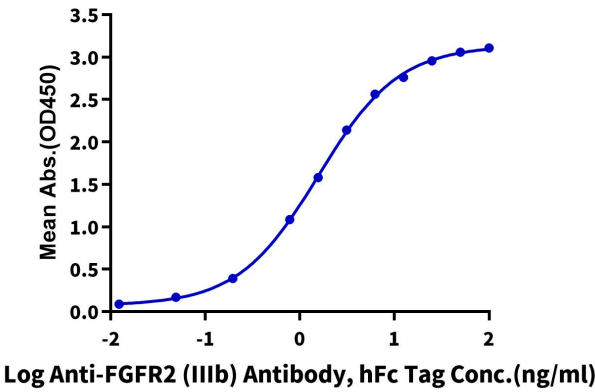


The purity of Biotinylated Human FGFR2 beta (IIIb) Domain is greater than 90% as determined by SEC-HPLC.

ELISA Data

Biotinylated Human FGFR2 beta (IIIb) Domain, Avi Tag ELISA

0.05µg Biotinylated Human FGFR2 beta (IIIb) Domain, Avi Tag Per Well



Immobilized Biotinylated Human FGFR2 beta (IIIb) Domain, Avi Tag at 0.5 µg/ml (100 µl/well) on the streptavidin precoated plate (5 µg/ml). Dose response curve for Anti-FGFR2 (IIIb) Antibody, hFc Tag with the EC50 of 1.6 ng/ml determined by ELISA (QC Test).