

Datasheet for ABIN7274646
FGFR2 beta (AA 152-378) protein (His tag)



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5 Images

Overview

Quantity:	100 µg
Target:	FGFR2 beta
Protein Characteristics:	AA 152-378
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	His tag

Product Details

Purpose:	Human FGFR2 beta (IIIb) Protein
Sequence:	Arg152-Glu378
Characteristics:	Recombinant Human FGFR2 beta (IIIb) Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Arg152-Glu378.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	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. The affinity constant of 1.98nM as determined in SPR assay (Biacore T200). See testing image for detail.

Target Details

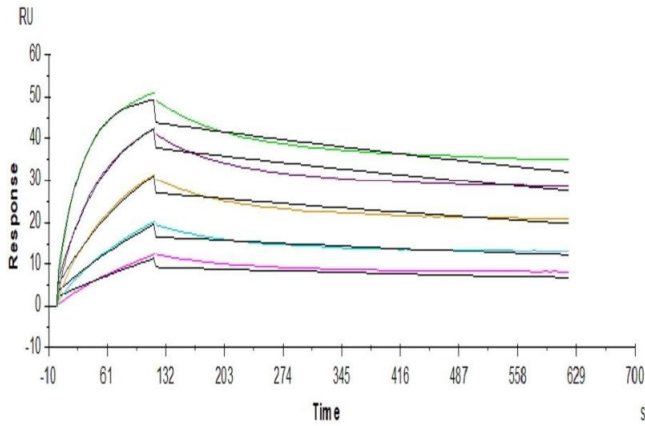
Target:	FGFR2 beta
Background:	Four distinct genes encoding closely related FGF receptors, FGF R1 - 4, are known. All four genes for FGF Rs encode proteins with an N-terminal signal peptide, three immunoglobulin (Ig)-like domains, an acid-box region containing a run of acidic residues between the IgI 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.
Molecular Weight:	26.5 kDa. Due to glycosylation, the protein migrates to 45-60 kDa based on Tris-Bis PAGE result.

Application Details

Restrictions:	For Research Use only
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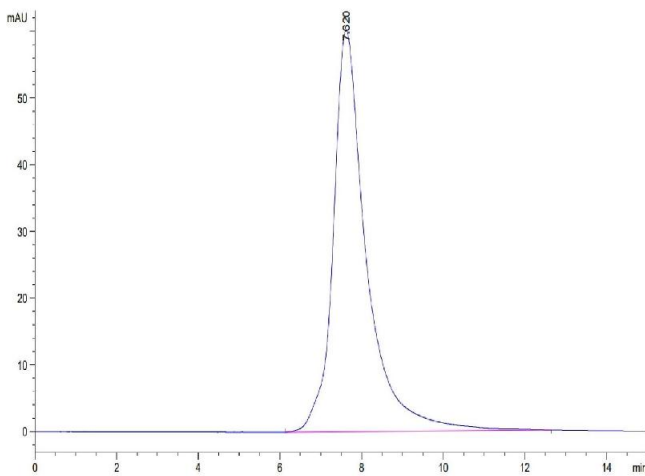
Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



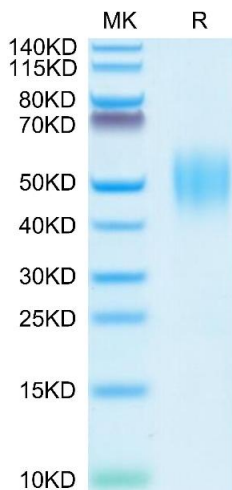
Surface Plasmon Resonance

Image 1. 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).



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Human FGFR2 beta (IIIb) is greater than 95 % as determined by SEC-HPLC.



SDS-PAGE

Image 3. Human FGFR2 beta (IIIb) on Tris-Bis PAGE under reduced conditions. The purity is greater than 95 % .

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN7274646.