

Human FGFR4 Protein



Cat. No. FGF-HM2R4

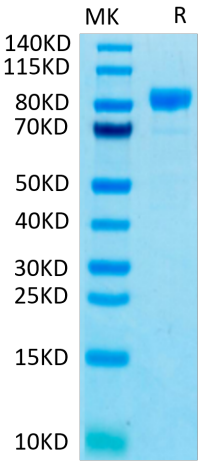
Description	
Source	Recombinant Human FGFR4 Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains Leu22-Asp369.
Accession	P22455-1
Molecular Weight	The protein has a predicted MW of 65.3 kDa. Due to glycosylation, the protein migrates to 80-95 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 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	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	
Fibroblast growth factor receptor 4 (FGF R4), also known as CD334, is a 110 kDa glycosylated transmembrane receptor tyrosine kinase. Tyrosine-protein kinase that acts as cell-surface receptor for fibroblast growth factors and plays a role in the regulation of cell proliferation, differentiation and migration, and in regulation of lipid metabolism, bile acid biosynthesis, glucose uptake, vitamin D metabolism and phosphate homeostasis. Required for normal down-regulation of the expression of CYP7A1, the rate-limiting enzyme in bile acid synthesis, in response to FGF19.	

Assay Data

Bis-Tris PAGE



Human FGFR4 on Bis-Tris PAGE under reduced conditions. The purity is greater than 95%.

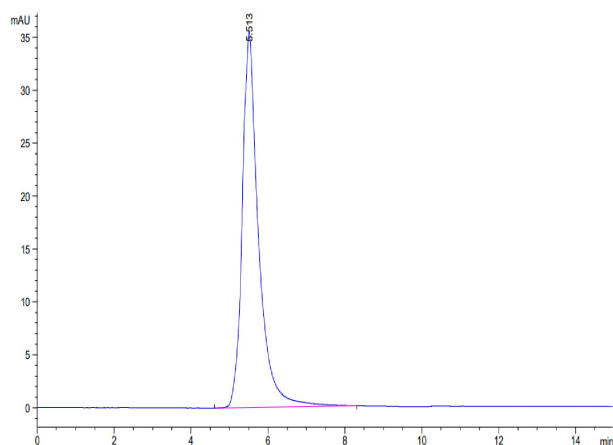
SEC-HPLC

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### Assay Data



The purity of Human FGFR4 is greater than 95% as determined by SEC-HPLC.

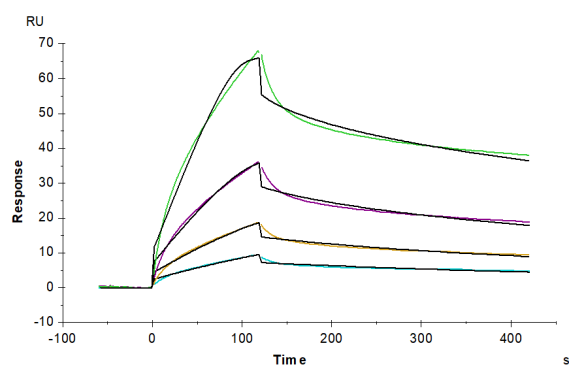
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### Assay Data

#### SPR Data



Human FGFR4, hFc Tag captured on CM5 Chip via Protein A can bind Human Beta Klotho, His Tag with an affinity constant of 13.05 nM as determined in SPR assay (Biacore T200).