

Datasheet for ABIN7274619

FGFR4 Protein (AA 22-369) (Fc Tag)**3** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	FGFR4
Protein Characteristics:	AA 22-369
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FGFR4 protein is labelled with Fc Tag.

Product Details

Purpose:	Human FGFR4 Protein
Sequence:	Leu22-Asp369
Characteristics:	Recombinant Human FGFR4 Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains Leu22-Asp369.
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:	The affinity constant of 13.05 nM as determined in SPR assay (Biacore T200). See testing image for detail.

Target Details

Target:	FGFR4
Alternative Name:	FGFR4 (FGFR4 Products)
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.
Molecular Weight:	65.3 kDa. Due to glycosylation, the protein migrates to 80-95 kDa based on Tris-Bis PAGE result.
UniProt:	P22455
Pathways:	RTK Signaling , Fc-epsilon Receptor Signaling Pathway , EGFR Signaling Pathway , Neurotrophin Signaling Pathway , Carbohydrate Homeostasis , Growth Factor Binding

Application Details

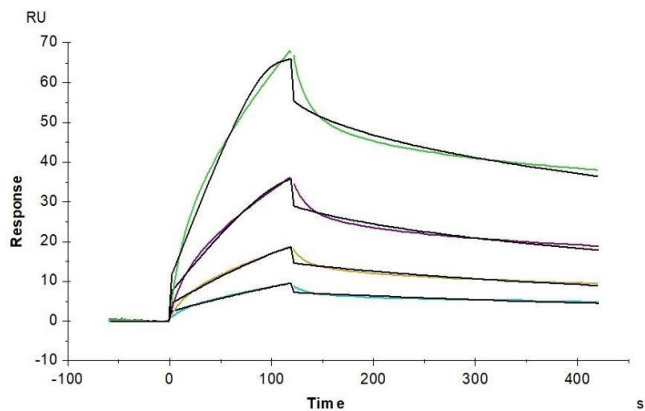
Restrictions:	For Research Use only
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Handling

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

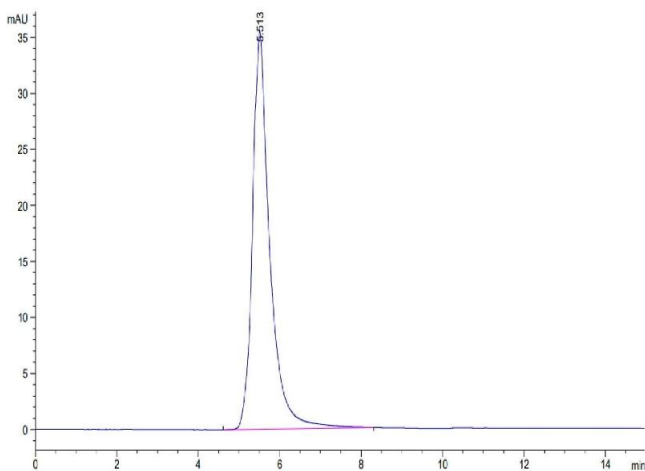
Surface Plasmon Resonance

Image 1. 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).



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Human FGFR4 is greater than 95 % as determined by SEC-HPLC.



SDS-PAGE

Image 3. Human FGFR4 on Tris-Bis PAGE under reduced conditions. The purity is greater than 95 % .

