

Datasheet for ABIN7274633

## FGFR1 Protein (AA 22-374) (His-Avi Tag)



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### 3 Images

#### Overview

Quantity:	100 µg
Target:	FGFR1
Protein Characteristics:	AA 22-374
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FGFR1 protein is labelled with His-Avi Tag.

#### Product Details

Purpose:	Human FGFR1 alpha (IIIc) Protein
Sequence:	Arg22-Glu374
Characteristics:	Recombinant Human FGFR1 alpha (IIIc) Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus. It contains Arg22-Glu374.
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 FGFR1 alpha (IIIc) at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Anti-FGFR1 Antibody, hFc Tag with the EC50 of 12.9ng/ml determined by ELISA. See testing image for detail.

## Target Details

Target:	FGFR1
Alternative Name:	FGFR1 alpha ( <a href="#">FGFR1 Products</a> )
Background:	Fibroblast growth factors (FGFs) comprise a family of at least eighteen structurally related proteins that are involved in a multitude of physiological and pathological cellular processes, including cell growth, differentiation, angiogenesis, wound healing and tumorigenesis. The biological activities of the FGFs are mediated by a family of type I transmembrane tyrosine kinases which undergo dimerization and autophosphorylation after ligand binding. FGFR1 is tyrosine-protein kinase that acts as cell-surface receptor for fibroblast growth factors and plays an essential role in the regulation of embryonic development, cell proliferation, differentiation and migration. Required for normal mesoderm patterning and correct axial organization during embryonic development, normal skeletogenesis and normal development of the gonadotropin-releasing hormone (GnRH) neuronal system.
Molecular Weight:	42 kDa. Due to glycosylation, the protein migrates to 68-83 kDa based on Tris-Bis PAGE result.
Pathways:	<a href="#">RTK Signaling</a> , <a href="#">Fc-epsilon Receptor Signaling Pathway</a> , <a href="#">EGFR Signaling Pathway</a> , <a href="#">Neurotrophin Signaling Pathway</a> , <a href="#">Sensory Perception of Sound</a> , <a href="#">Stem Cell Maintenance</a> , <a href="#">S100 Proteins</a>

## Application Details

Restrictions:	For Research Use only
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

Size-exclusion chromatography-High Pressure Liquid Chromatography

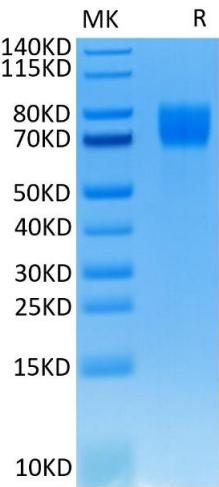
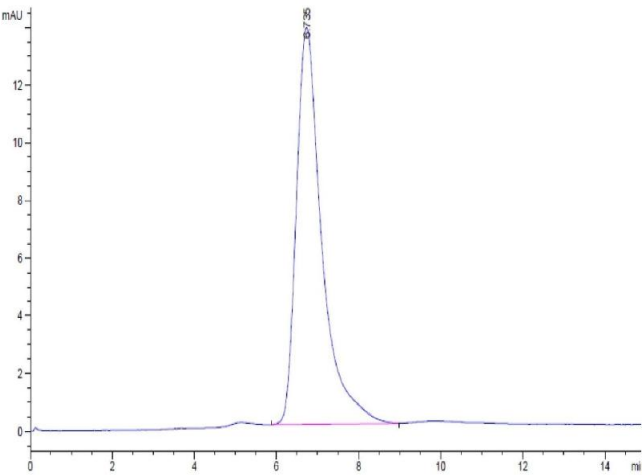
**Image 1.** The purity of Human FGFR1 alpha (IIIc) is greater than 95 % as determined by SEC-HPLC.

SDS-PAGE

**Image 2.** Human FGFR1 alpha (IIIc) on Tris-Bis PAGE under reduced conditions. The purity is greater than 95 % .

ELISA

**Image 3.** Immobilized Human FGFR1 alpha (IIIc) at 0.5  $\mu$ g/mL (100  $\mu$ L/Well) on the plate. Dose response curve for Anti-FGFR1 Antibody, hFc Tag with the EC50 of 12.9 ng/mL determined by ELISA.



**Human FGFR1 alpha (IIIc), His Tag ELISA**  
0.05 $\mu$ g Human FGFR1 alpha (IIIc), His Tag Per Well

