

Datasheet for ABIN7274616

FGF21 Protein (AA 29-209) (His tag)**3** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	FGF21
Protein Characteristics:	AA 29-209
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FGF21 protein is labelled with His tag.

Product Details

Purpose:	Human FGF21 Protein
Sequence:	His29-Ser209
Characteristics:	Recombinant Human FGF21 Protein is expressed from HEK293 with His tag at the N-Terminus. It contains His29-Ser209.
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 20nM as determined in SPR assay (Biacore T200). See testing image for detail.

Target Details

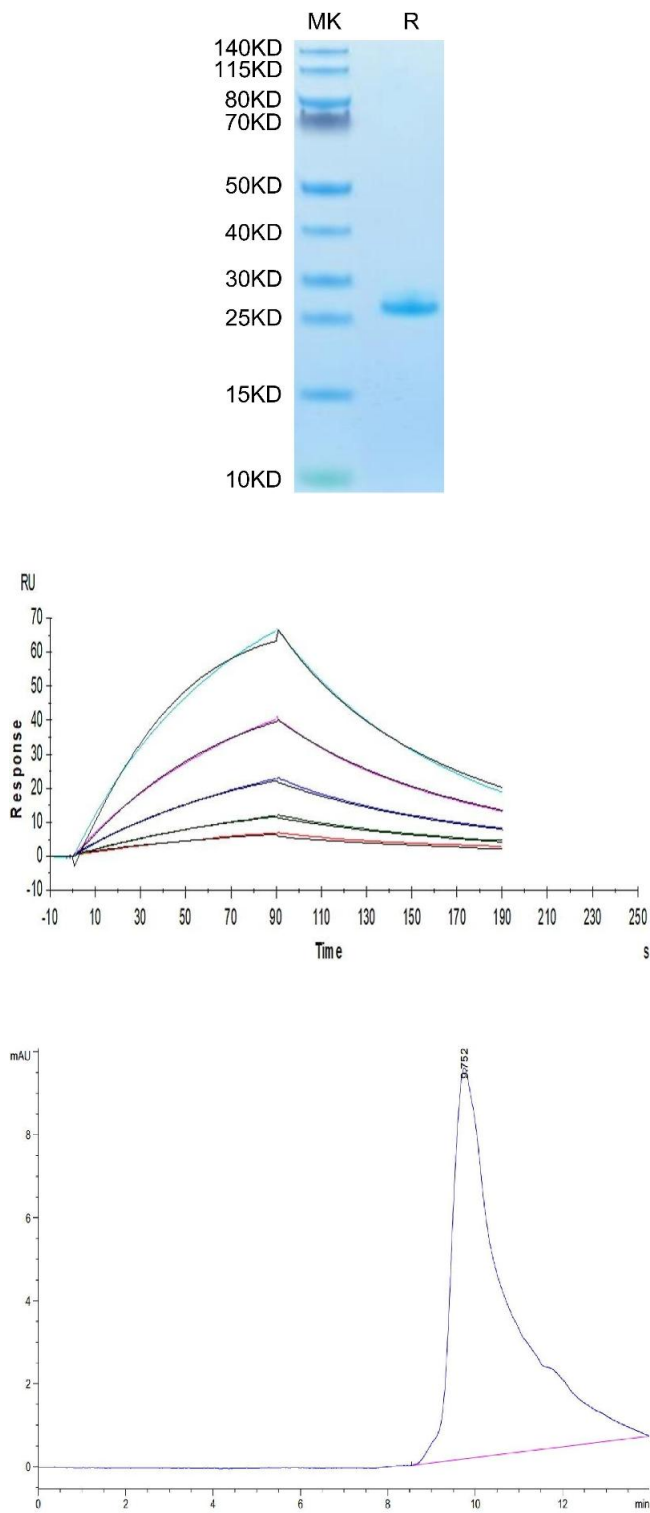
Target:	FGF21
Alternative Name:	FGF21 (FGF21 Products)
Background:	Fibroblast growth factor 21 (FGF21) is a peptide hormone that is synthesized by several organs and regulates energy homeostasis. Excitement surrounding this relatively recently identified hormone is based on the documented metabolic beneficial effects of FGF21, which include weight loss and improved glycemia.
Molecular Weight:	20.2 kDa. Due to glycosylation, the protein migrates to 25-30 kDa based on Tris-Bis PAGE result.
Pathways:	RTK Signaling

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



SDS-PAGE

Image 1. Human FGF21 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

Surface Plasmon Resonance

Image 2. Human FGF21, His Tag immobilized on CM5 Chip can bind Human Human Klotho full length, His Tag with an affinity constant of 20nM as determined in a SPR assay (Biacore T200).

Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 3. The purity of Human FGF21 is greater than 95 % as determined by SEC-HPLC.