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Datasheet for ABIN7274610

FGF21 Protein (AA 29-209) (His tag)

2 Images

Overview

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

Product Details

Purpose:	Cynomolgus FGF21 Protein
Sequence:	His29-Ser209
Characteristics:	Recombinant Cynomolgus FGF21 Protein is expressed from HEK293 with His tag at the C-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.

Target Details

Target:	FGF21
Alternative Name:	FGF21 (FGF21 Products)

Target Details

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: 20.50 kDa. Due to glycosylation, the protein migrates to 23-30 kDa based on Tris-Bis PAGE result.

UniProt: [A0A2K5UYN8](#)

Pathways: [RTK Signaling](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

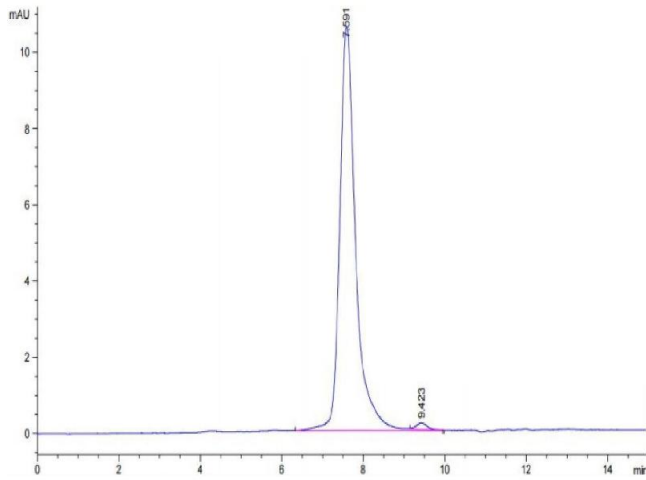
Reconstitution: Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.

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

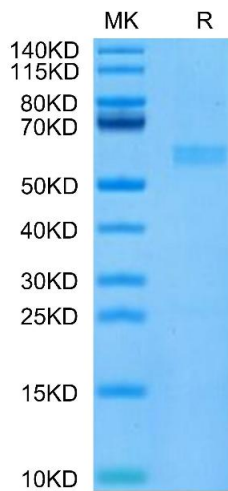
Storage Comment: -20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Expiry Date: 12 months



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 1. The purity of Cynomolgus FGF21 is greater than 95 % as determined by SEC-HPLC.



SDS-PAGE

Image 2. Cynomolgus FGF21 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .