

Cynomolgus FGF21 Protein

Cat. No. FGF-CM121



Description

Source	Recombinant Cynomolgus FGF21 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains His29-Ser209.
Accession	A0A2K5UYN8
Molecular Weight	The protein has a predicted MW of 20.50 kDa. Due to glycosylation, the protein migrates to 23-30 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage

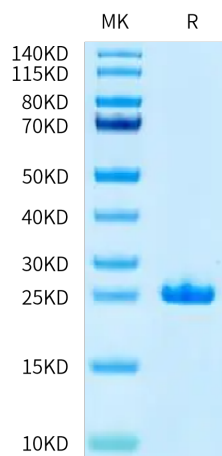
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
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 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.

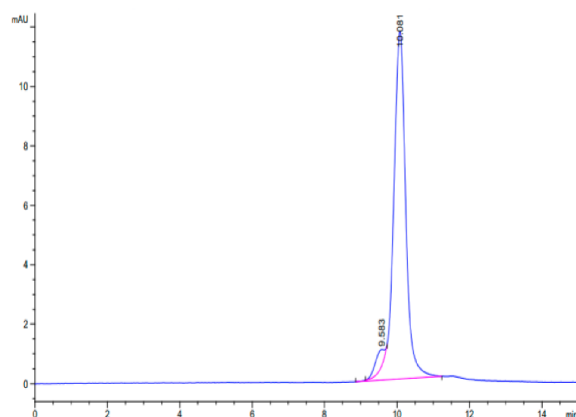
Assay Data

Bis-Tris PAGE



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

SEC-HPLC



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