Datasheet for ABIN7274723

GDF15 Protein (AA 197-308) (His tag)

5 Images

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Overview

Quantity:	100 µg
Target:	GDF15
Protein Characteristics:	AA 197-308
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This GDF15 protein is labelled with His tag.

Product Details

Purpose:	Human GDF15 Protein
Sequence:	Ala197-Ile308
Characteristics:	Recombinant Human GDF15 Protein is expressed from E.coli with His tag at the N-Terminus.It contains Ala197-Ile308.
Purity:	> 95 % as determined by Tris-Bis PAGE
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human GDF15, His Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Human GFRAL, hFc Tag with the EC50 of 22.8ng/ml determined by ELISA. The affinity constant of 0.014 nM as determined in SPR assay (Biacore T200). See testing image for detail.

Target Details

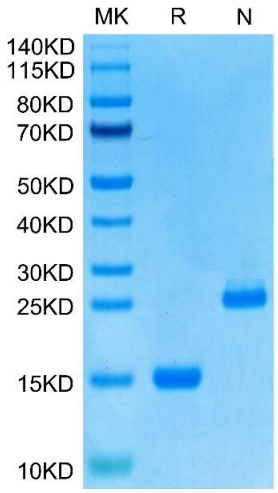
Target:	GDF15
Alternative Name:	GDF15 (GDF15 Products)
Background:	Growth Differentiation Factor 15 (GDF15), also known as NSAID activated gene-1 (NAG-1), is associated with a large number of biological processes and diseases, including cancer and obesity. GDF15 is synthesized as pro-GDF15, is dimerized, and is cleaved and secreted into the circulation as a mature dimer GDF15.
Molecular Weight:	13.5 kDa. The protein migrates to 15-16 kDa based on Tris-Bis PAGE result.
Pathways:	SARS-CoV-2 Protein Interactome

Application Details

Restrictions:	For Research Use only

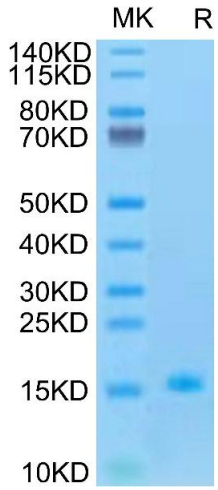
Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in 50 mM HAc (pH 2.9).
Buffer:	Lyophilized from 0.22µm filtered solution in 50 mM HAc (pH 2.9). 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



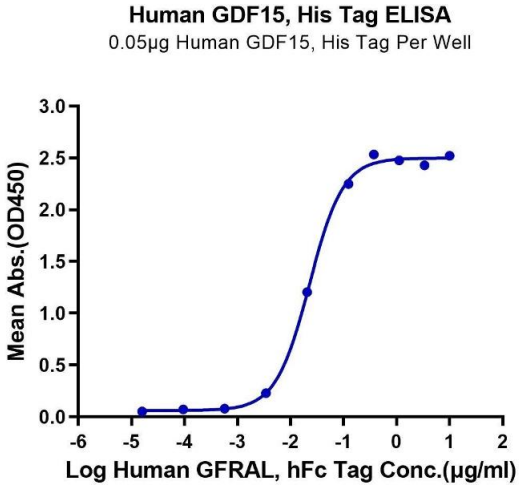
SDS-PAGE

Image 1. Human GDF15 on Tris-Bis PAGE under reduced (R) condition and Non reducing (N) condition. The purity is greater than 95 % .



SDS-PAGE

Image 2. Human GDF15 Protein on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



ELISA

Image 3. Immobilized Human GDF15, His Tag at 0.5 μg/mL (100 μL/well) on the plate. Dose response curve for Human GFRAL, hFc Tag with the EC50 of 22.8 ng/mL determined by ELISA.

Please check the product details page for more images. Overall 5 images are available for ABIN7274723.