

Rat GDF15 Protein

Cat. No. GDF-RE115

Description

Source	Recombinant Rat GDF15 Protein is expressed from E.coli with His tag at the N-Terminus. It contains Ser189-Ala303.
Accession	Q9Z0J6
Molecular Weight	The protein has a predicted MW of 13.68 kDa. The protein migrates to 15-17 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

Formulation and Storage

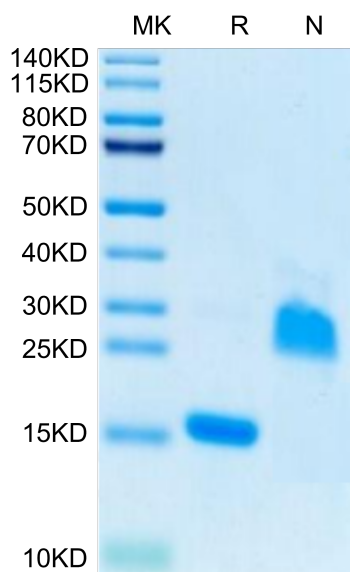
Formulation	Lyophilized from 0.22µm filtered solution in 50mM HAc (pH 2.9). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in 50mM HAc (pH 2.9).
Storage	-20 to -80°C for 24 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

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.

Assay Data

Bis-Tris PAGE



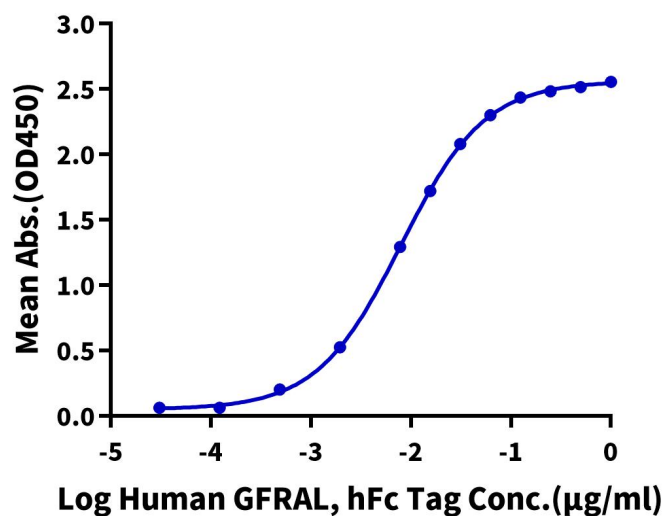
Rat GDF15 on Bis-Tris PAGE under reduced (R) condition and Non reducing (N) condition. The purity is greater than 95%.

ELISA Data

Assay Data

Rat GDF-15, His Tag ELISA

0.5µg Rat GDF-15, His Tag Per Well

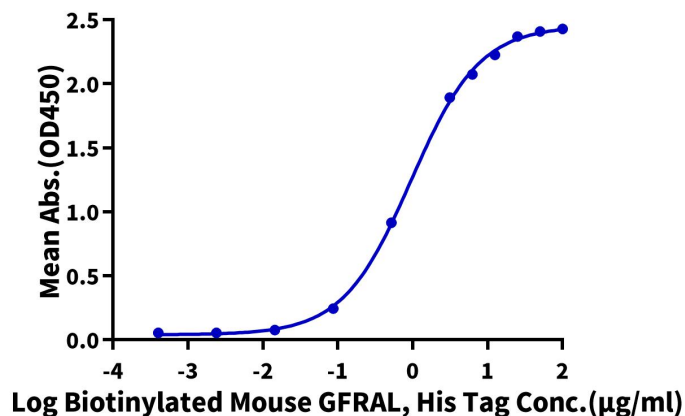


Immobilized Rat GDF-15, His Tag at 5µg/ml (100µl/well) on the plate. Dose response curve for Human GFRAL, hFc Tag with the EC50 of 8.0ng/ml determined by ELISA (QC Test).

ELISA Data

Rat GDF-15, His Tag ELISA

0.5µg Rat GDF-15, His Tag Per Well



Immobilized Rat GDF15, His Tag at 5µg/ml (100µl/Well) on the plate. Dose response curve for Biotinylated Mouse GFRAL, His Tag with the EC50 of 0.95µg/ml determined by ELISA.