Cynomolgus GDF15 Protein

Cat. No. GDF-CE115

Description

Source	Recombinant Cynomolgus GDF15 Protein is expressed from E.coli with His tag at the N-Terminus.
	It contains Arg193-Val308.
Accession	G7PWZ3
Molecular Weight	The protein has a predicted MW of 14.15 kDa. The protein migrates to 15-18 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per μg by the LAL method.
Purity	>95% as determined by Bis-Tris PAGE

Formulation and Storage

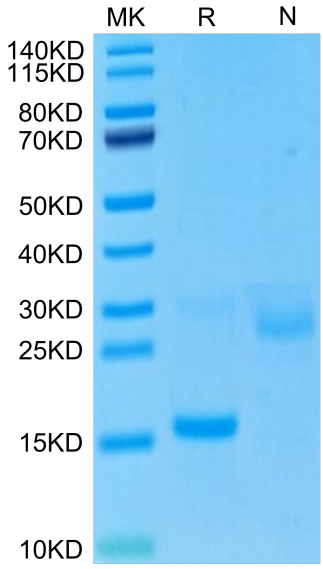
Formulation	Lyophilized from 0.22 μm filtered solution in 50mM HAc (pH 2.9). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in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

Growth and differentiation factor 15 (GDF15) is an inflammation-associated hormone with poorly defined biology. Here, we investigated the role of GDF15 in bacterial and viral infections. Inflammation induced GDF15, and that GDF15 was necessary for surviving both bacterial and viral infections, as well as sepsis. The protective effects of GDF15 were largely independent of pathogen control or the magnitude of inflammatory response, suggesting a role in disease tolerance.

Assay Data

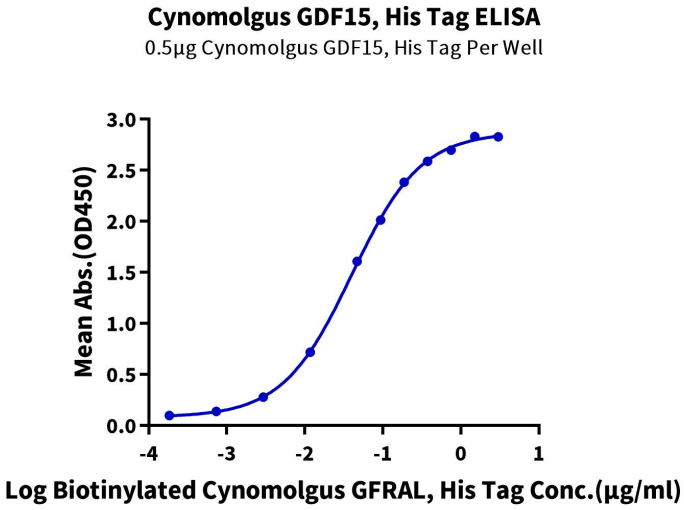
Bis-Tris PAGE



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

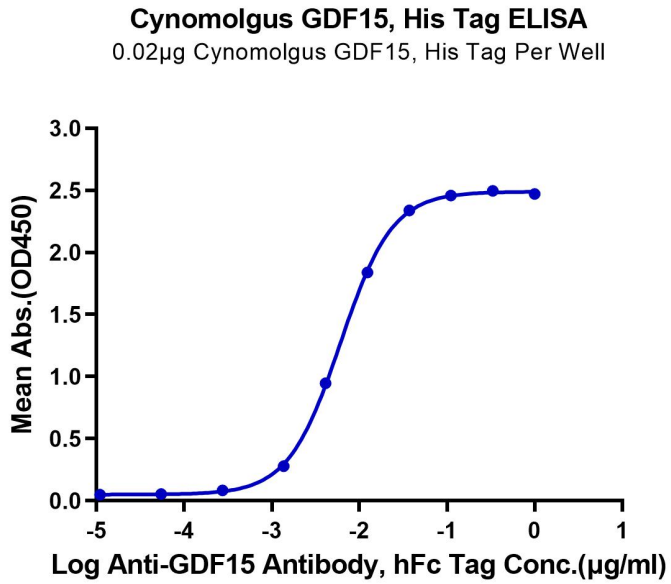
ELISA Data

Assay Data



Immobilized Cynomolgus GDF15, His Tag at 5 µg/ml (100 µl/well) on the plate. Dose response curve for Biotinylated Cynomolgus GFRAL, His Tag with the EC50 of 39.9 ng/ml determined by ELISA (QC Test).

ELISA Data



Immobilized Cynomolgus GDF15, His Tag at 0.2 µg/ml (100 µl/well) on the plate. Dose response curve for Anti-GDF15 Antibody, hFc Tag with the EC50 of 6.1 ng/ml determined by ELISA.