

Biotinylated Rat GDF15 Protein (Primary Amine Labeling)

Cat. No. GDF-RE115B

Description

Source	Recombinant Biotinylated Rat GDF15 Protein (Primary Amine Labeling) 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 14-17 kDa under reduced (R) condition and 25-30 kDa under Non reducing (N) condition based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE

Formulation and Storage

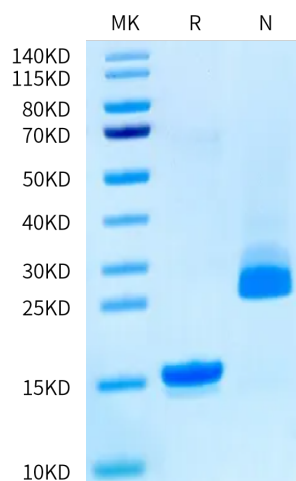
Formulation	Supplied as 0.22 µm filtered solution in 50mM HAc.
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

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

Tris-Bis PAGE

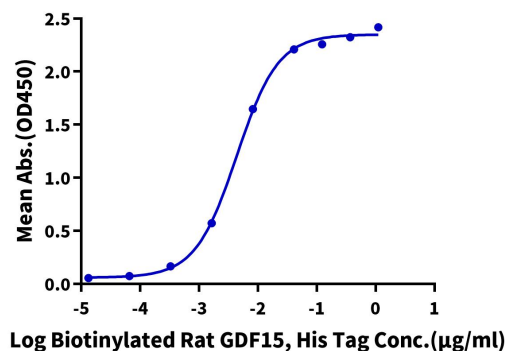


Biotinylated Rat GDF15 on Tris-Bis PAGE under reduced (R) condition and Non reducing (N) condition. The purity is greater than 95%.

ELISA Data

Biotinylated Rat GDF15, His Tag ELISA

0.1µg Human GFRAL, His Tag Per Well



Immobilized Human GFRAL, His Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Rat GDF15, His Tag with the EC50 of 4.4ng/ml determined by ELISA.