

Human GDF15 Protein

Cat. No. GDF-HM315



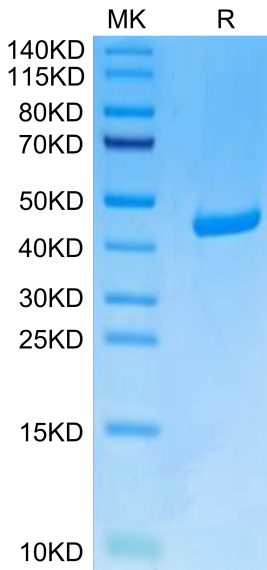
| Description | |
|------------------|---|
| Source | Recombinant Human GDF15 Protein is expressed from HEK293 with mFc (IgG2a) tag at the N-Terminus. It contains Ala197-Ile308. |
| Accession | Q99988 |
| Molecular Weight | The protein has a predicted MW of 37.46 kDa. Due to glycosylation, the protein migrates to 40-50 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 > 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 | Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions. |
| 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 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

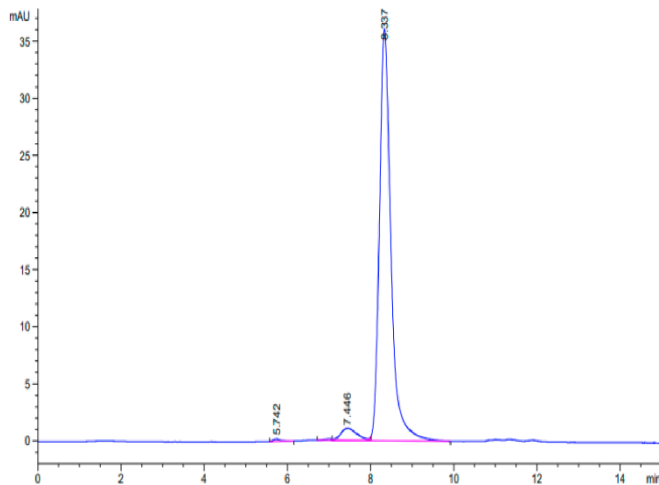
Bis-Tris PAGE



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

SEC-HPLC

Assay Data

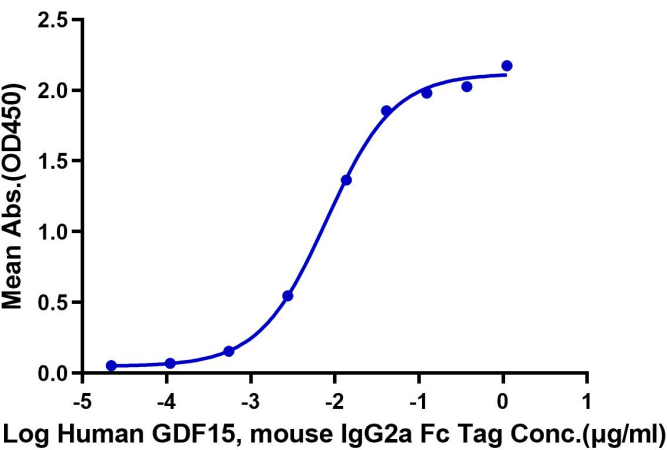


The purity of Human GDF15 is greater than 95% as determined by SEC-HPLC.

ELISA Data

Human GDF15, mouse IgG2a Fc Tag ELISA

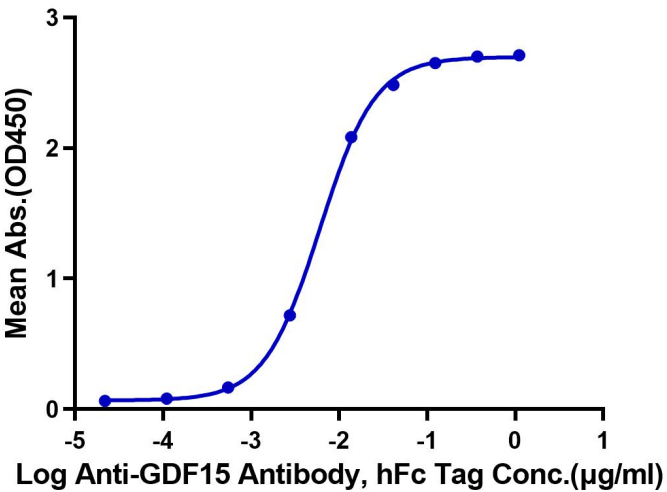
0.1µg Human GFRAL, His Tag Per Well



Immobilized Human GFRAL, His Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Human GDF15, mouse IgG2a Fc Tag with the EC50 of 8.0ng/ml determined by ELISA.

Human GDF15, mouse IgG2a Fc Tag ELISA

0.05µg Human GDF15, mouse IgG2a Fc Tag Per Well



Immobilized Human GDF15, mouse IgG2a Fc Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Anti-GDF15 Antibody, hFc Tag with the EC50 of 6.0ng/ml determined by ELISA.