

Human Latent GDF-11 Protein

Cat. No. GDF-HM111



Description

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|------------------|--|
| Source | Recombinant Human Latent GDF-11 Protein is expressed from HEK293 with His tag at the C-terminus. |
| | It contains Ala25-Ser407. |
| Accession | O95390 |
| Molecular Weight | The protein has a predicted MW of 44.14 kDa. Due to glycosylation, the protein migrates to 15-20 kDa, 40-45 kDa and 50-60 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

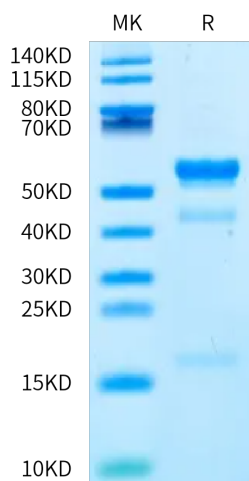
| | |
|-------------|--|
| Formulation | Supplied as 0.22 µm filtered solution in PBS, 200mM L-Arginine (pH 7.4). |
| Storage | Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles. |

Background

Growth differentiation factor-11 (GDF-11), also known as bone morphogenetic protein-11, belongs to the transforming growth factor-beta superfamily. GDF-11 is highly related to MSTN, plays multiple roles during embryonic development, including regulating development of the axial skeleton, kidneys, nervous system, and pancreas.

Assay Data

Bis-Tris PAGE

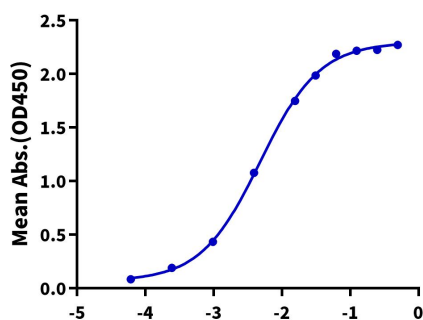


Human Latent GDF-11 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

ELISA Data

Human Latent GDF-11, His Tag ELISA

0.1µg Human Latent GDF-11, His Tag Per Well



Immobilized Human Latent GDF-11, His Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Anti-GDF11 Antibody, hFc Tag with the EC50 of 4.8ng/ml determined by ELISA.

Human Latent GDF-11 Protein

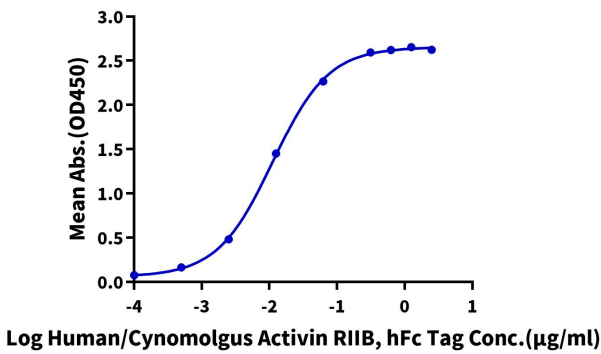
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Assay Data

ELISA Data

Human Latent GDF-11, His Tag ELISA
0.2µg Human Latent GDF-11, His Tag Per Well



Immobilized Human Latent GDF-11, His Tag at 2µg/ml(100µl/well) on the plate. Dose response curve for Human/Cynomolgus Activin RIIB, hFc Tag with the EC50 of 11.2ng/ml determined by ELISA.