

Human BMP9/GDF-2 Protein



Cat. No. BMP-HM209

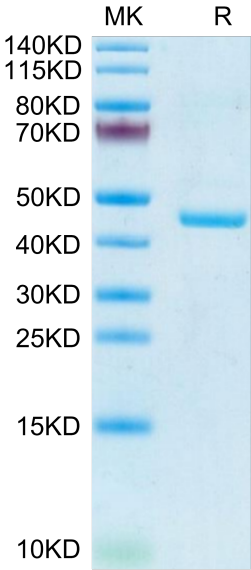
| Description | |
|------------------|--|
| Source | Recombinant Human BMP9/GDF-2 Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains Ser320-Arg429. |
| Accession | Q9UK05 |
| Molecular Weight | The protein has a predicted MW of 38.7 kDa. Due to glycosylation, the protein migrates to 45-48 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 0.22µm filtered solution in 4mM HCl. Normally 8% trehalose is added as protectant before lyophilization. |
| Reconstitution | Dissolve the lyophilized protein in 4mM HCL. 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 | |
|---|--|
| Obesity drives the development of nonalcoholic fatty liver disease (NAFLD) characterized by hepatic steatosis. Several bone morphogenetic proteins (BMPs) except BMP9 were reported related to metabolic syndrome.BMP9 plays a critical role in regulating hepatic lipid metabolism in a PPARα-dependent manner and may provide a previously unknown insight into NAFLD therapeutic approaches. | |

Assay Data

Bis-Tris PAGE

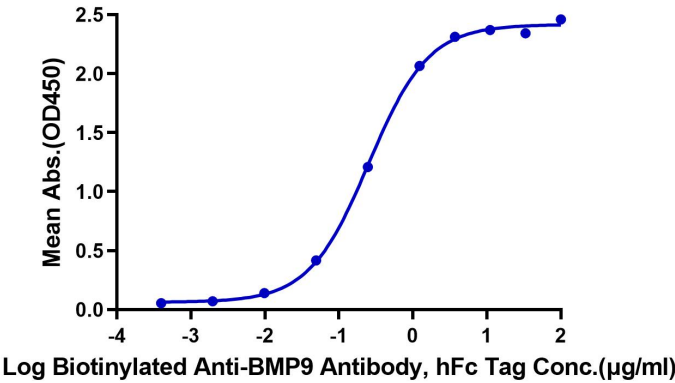


Human BMP9 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

ELISA Data

Assay Data

Human BMP9, hFc Tag ELISA
0.2µg Human BMP9, hFc Tag Per Well



Immobilized Human BMP9, hFc Tag at 2µg/ml (100µl/Well) on the plate. Dose response curve for Biotinylated Anti-BMP9 Antibody, hFc Tag with the EC50 0.25µg/ml determined by ELISA.