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 1EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE

Formulation and Storage

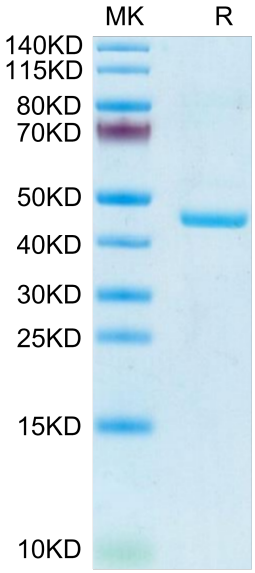
Formulation	Supplied as 0.22μm filtered solution in 4mM HCl.
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

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.

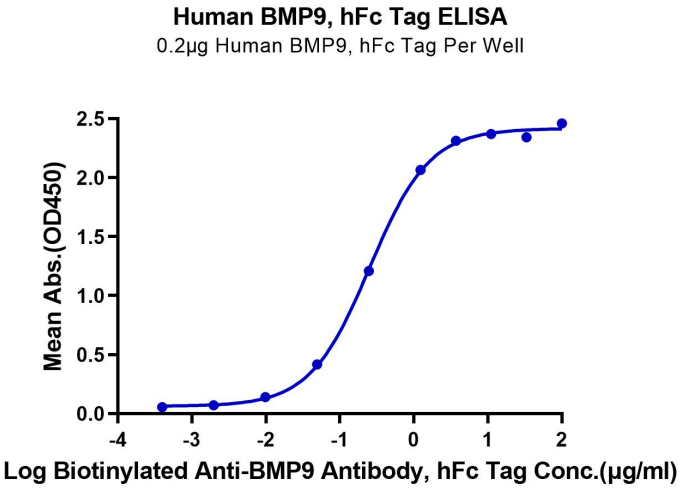
Assay Data

Bis-Tris PAGE



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

ELISA Data



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.