

Mouse BMP9/GDF-2 Protein

Cat. No. BMP-MM209

Description

Source	Recombinant Mouse BMP9/GDF-2 Protein is expressed from Expi293 with hFc tag at the C-terminal. It contains Ser319-Arg428.
Accession	Q9WV56
Molecular Weight	The protein has a predicted MW of 38.8 kDa. Due to glycosylation, the protein migrates to 47-50 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per μ g by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

Formulation and Storage

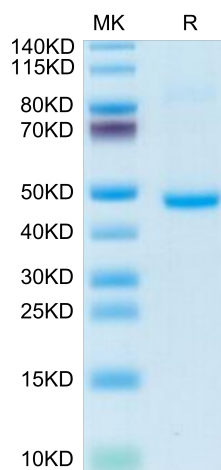
Formulation	Supplied as 0.22 μ m filtered solution in 100mM Glycine, 40mM Tris, 100mM NaCl (pH 8.14). Please dilute to the desired concentration according to the concentration of the solution shown on the product label.
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please do not repeated 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 PPAR α -dependent manner and may provide a previously unknown insight into NAFLD therapeutic approaches.

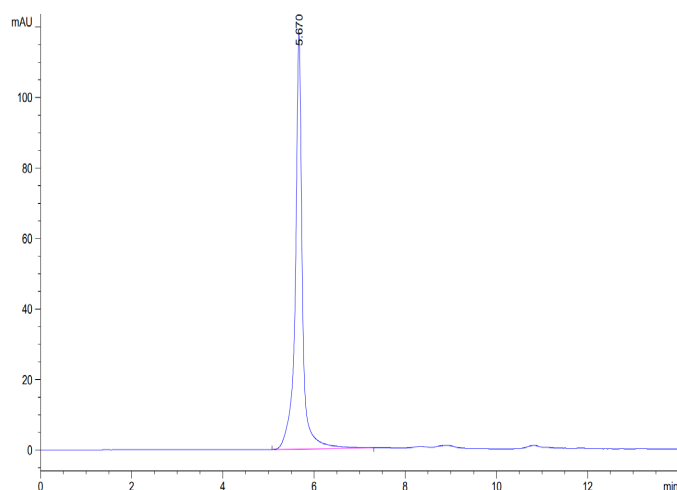
Assay Data

Tris-Bis PAGE



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

SEC-HPLC



The purity of Mouse BMP9 is greater than 95% as determined by SEC-HPLC.