

Recombinant Rat BMP9 Protein, His tagged

Cat. No. BMP9-994R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat BMP9 Protein with His tag was expressed in HEK293.
Species	Rat
Source	HEK293
ProteinLength	320-430 aa
Description	Predicted to enable cytokine activity; growth factor activity; and protein serine/threonine kinase activator activity. Predicted to be involved in several processes, including positive regulation of transmembrane receptor protein serine/threonine kinase signaling pathway; regulation of endothelial cell proliferation; and transforming growth factor beta receptor superfamily signaling pathway. Predicted to act upstream of or within osteoblast differentiation; positive regulation of gene expression; and positive regulation of transcription by RNA polymerase II. Predicted to be active in extracellular space. Human ortholog(s) of this gene implicated in hereditary hemorrhagic telangiectasia. Orthologous to human GDF2 (growth differentiation factor 2).
AASequence	STGAASSHCQKTSLRVNFEDIGWDSWIIAPKEYDAYECKGGCFFPLADDVTPTKHAI VQTLVHLKFPTKVGKACCVPTKLSPISILYKDDMGVPTLKYHYEGMSVAECGCRDYK DDDDKHHHHHHHHH
Molecular Mass	14 kDa

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Purity	> 80% by SDS-PAGE
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	Sterile PBS, pH7.4, 0.5% SKL
Concentration	3.08 mg/mL by BCA

GENE INFORMATION

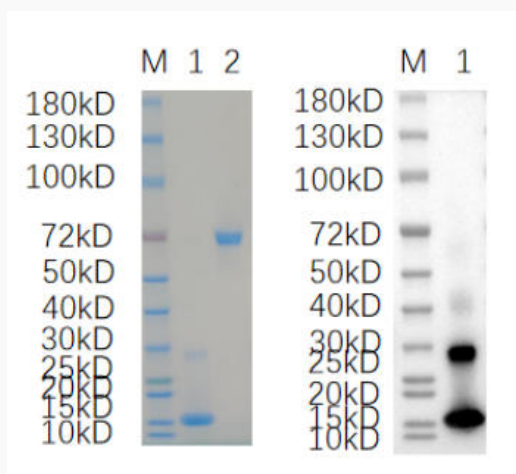
Gene Name	Gdf2 growth differentiation factor 2 [<i>Rattus norvegicus</i> (Norway rat)]
Official Symbol	Gdf2
Synonyms	Gdf2; growth differentiation factor 2; growth/differentiation factor 2
Gene ID	290921
mRNA Refseq	NM_001106096
Protein Refseq	NP_001099566
UniProt ID	M0RB87

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SDS-PAGE and WB



Reducing 4%-20% SDS-PAGE (CBB stained) and WB (Anti-His Mouse Monoclonal antibody) analysis profiles of purified BMP9. 1. BMP9: 1 μ g 2. BSA: 1 μ g