

## Recombinant Rat BMP9 Protein, His tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Rat BMP9 Protein with His tag was expressed in HEK293.
<b>Species</b>	Rat
<b>Source</b>	HEK293
<b>ProteinLength</b>	320-430 aa
<b>Description</b>	<p>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.</p> <p>Predicted to act upstream of or within osteoblast differentiation; positive regulation of gene expression; and positive regulation of transcription by RNA polymerase II.</p> <p>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).</p>
<b>AASequence</b>	<p>STGAASSHCQKTSRLRVNFE DIGWDSWIIAPKEYDAYECKGGCFFPLADDVTPTKHAI</p> <p>VQTLVHLKFPTKVGKACCVPTKLSPISILYKDDMGVPTLKYHYEGMSVAECGCRDYK</p> <p>DDDDKHHHHHHHHH</p>
<b>Molecular Mass</b>	14 kDa

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Purity</b>	> 80% by SDS-PAGE
<b>Storage</b>	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.
<b>Storage Buffer</b>	Sterile PBS, pH7.4, 0.5% SKL
<b>Concentration</b>	3.08 mg/mL by BCA

## GENE INFORMATION

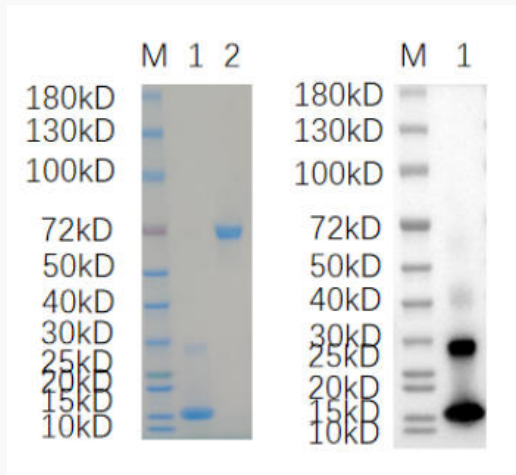
<b>Gene Name</b>	Gdf2 growth differentiation factor 2 [ Rattus norvegicus (Norway rat) ]
<b>Official Symbol</b>	Gdf2
<b>Synonyms</b>	Gdf2; growth differentiation factor 2; growth/differentiation factor 2
<b>Gene ID</b>	290921
<b>mRNA Refseq</b>	NM_001106096
<b>Protein Refseq</b>	NP_001099566
<b>UniProt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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**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  $\mu$ g 2. BSA: 1  $\mu$ g

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA