

Recombinant Rat Gdf2 Protein, His-tagged

Cat. No. Gdf2-373R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Gdf2 Protein (Ser320-Arg430) with N-His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Ser320-Arg430
Description	Predicted to enable cytokine 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 transmembrane receptor protein serine/threonine kinase 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).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 15.9 kDa Accurate Molecular Mass: 16 kDa
Purity	> 95%

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

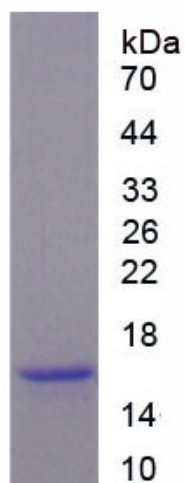
GENE INFORMATION

Gene Name	Gdf2 growth differentiation factor 2 [<i>Rattus norvegicus</i> (Norway rat)]
Official Symbol	Gdf2
Synonyms	GDF2; growth differentiation factor 2
Gene ID	290921
mRNA Refseq	NM_001106096
Protein Refseq	NP_001099566
UniProt ID	M0RB87

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