Recombinant Rat Gdf1 Protein, His-tagged

Cat. No. Gdf1-270R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Gdf1(Leu183~Arg357) fused with His tag at N-terminal was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Leu183~Arg357
Description	This gene encodes a member of the bone morphogenetic protein (BMP) family and the TGF-beta superfamily. This group of proteins is characterized by a polybasic proteolytic processing site that is cleaved to produce a mature protein containing seven conserved cysteine residues. The members of this family are regulators of cell growth and differentiation in both embryonic and adult tissues. The mouse ortholog of this gene is involved in the establishment of left-right asymmetry in early embryogenesis and in neural development in later embryogenesis. This protein is transcribed from a bicistronic mRNA that also encodes the LAG1 homolog, ceramide synthase 1 gene. Mono-cistronic transcripts for this gene are also found in mouse, but it is not known if they exist in rat.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	20.1kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)

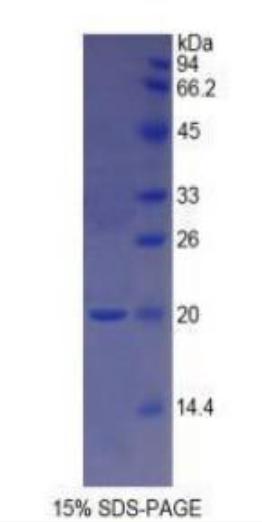
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Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB. If bio-activity of the protein is needed, please check active protein
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal 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.
Reconstitution	Reconstitute in PBS or others

GENE INFORMATION

Gene Name	Gdf1 growth differentiation factor 1 [Rattus norvegicus]
Official Symbol	Gdf1
Synonyms	GDF1; growth differentiation factor 1;
Gene ID	306351
mRNA Refseq	NM_001044240
Protein Refseq	NP_001037705

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15% SDS-PAGE

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