Recombinant Rat Gdf7 Protein, His-tagged

Cat. No. Gdf7-1573R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Gdf7 Protein (Arg304-Arg449) with N-His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Arg304-Arg449
Description	Predicted to enable cytokine activity and identical protein binding activity. Predicted to be involved in positive regulation of macromolecule metabolic process; positive regulation of tendon cell differentiation; and transmembrane receptor protein serine/threonine kinase signaling pathway. Predicted to act upstream of or within several processes, including morphogenesis of an epithelium; nervous system development; and positive regulation of neuron differentiation. Predicted to be located in extracellular region. Predicted to be active in extracellular space. Orthologous to human GDF7 (growth differentiation factor 7).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 19.0 kDa Accurate Molecular Mass: 19 kDa
Purity	> 90%

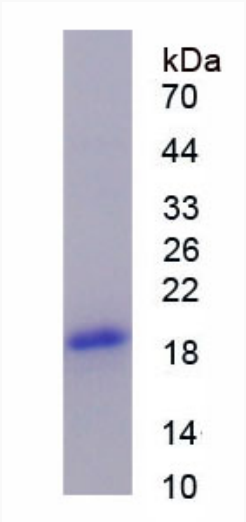
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

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 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	Gdf7 growth differentiation factor 7 [Rattus norvegicus (Norway rat)]
Official Symbol	Gdf7
Synonyms	GDF7; growth differentiation factor 7; growth/differentiation factor 7;
Gene ID	252833
mRNA Refseq	NM_001170350
Protein Refseq	NP_001163821
UniProt ID	F1MAE8

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



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