Active Recombinant Rat Gdf11 protein

Cat. No. Gdf11-1080R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Gdf11(Asn299-Ser407) was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Asn299-Ser407
Predicted N Terminal	Met
Form	Lyophilized from a 0.2 μm filtered solution in Acetonitrile and TFA with BSA as a carrier protein.
Bio-activity	Measured by its ability to induce hemoglobin expression in K562 human chronic myelogenous leukemia cells. Schwall, R.H. et al. (1991) Method Enzymol. 198:340. The ED50 for this effect is typically 0.8-4.8 ng/mL.
Molecular Mass	Predicted Molecular Mass12.6 (monomer) kDa
Endotoxin	<0.01 eu="" per="" 1="" μg="" of="" the="" protein="" by="" the="" lal="">
Purity	>95%, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie® Blue Staining.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.12 months from

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

	date of receipt, -20 to -70 centigrade as supplied.1 month, 2 to 8 centigrade under sterile conditions after reconstitution.3 months, -20 to -70 centigrade under sterile conditions after reconstitution.
Reconstitution	Reconstitute at 100 µg/mL in sterile 4 mM HCl containing at least 0.1% human or bovine serum albumin.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

GENE INFORMATION

Gene Name	Gdf11 growth differentiation factor 11 [Rattus norvegicus]
Official Symbol	Gdf11
Synonyms	GDF11; growth differentiation factor 11; growth/differentiation factor 11; GDF-11; bone morphogenetic protein 11; BMP-11;
Gene ID	29454
mRNA Refseq	NM_017203
Protein Refseq	NP_058899
MIM	
UniProt ID	
Chromosome Location	7q11

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

Function	cytokine activity; growth factor activity; molecular_function;

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