Recombinant Mouse Gdf7 Protein, His-tagged

Cat. No. Gdf7-279M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Gdf7(Ser295~Val447) fused with His tag at N-terminal was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Ser295~Val447
Description	This gene encodes a secreted ligand of the TGF-beta (transforming growth factor-beta) superfamily of proteins. Ligands of this family bind various TGF-beta receptors leading to recruitment and activation of SMAD family transcription factors that regulate gene expression. The encoded preproprotein is proteolytically processed to generate each subunit of the disulfide-linked homodimer. This protein may play a role in the differentiation of tendon cells and spinal cord interneurons. Mice lacking a functional copy of this gene exhibit absence of some spinal dopaminergic neurons and brain defects, male sterility, and premature death.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	19.7kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	> 95%

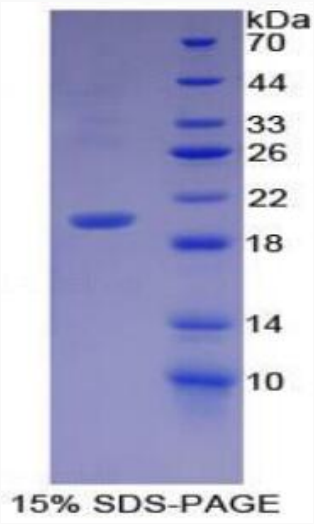
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Applications	Positive Control; Immunogen; SDS-PAGE; WB. If bio-activity of the protein is needed, please check active protein
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation 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	Gdf7 growth differentiation factor 7 [Mus musculus]
Official Symbol	Gdf7
Synonyms	GDF7; growth differentiation factor 7; growth/differentiation factor 7; GDF-7; BMP12;
Gene ID	238057
mRNA Refseq	NM_013527
Protein Refseq	NP_038555
UniProt ID	P43029

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15% SDS-PAGE

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