

Recombinant Mouse Gdf3 Protein, His-tagged

Cat. No. Gdf3-272M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Gdf3(Ala253~Gly366) fused with His tag at N-terminal was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Ala253~Gly366
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 is important in embryogenesis and likely plays a role ocular and skeletal development. Mice lacking a functional copy of this gene exhibit defects in early embryonic development resulting in embryonic lethality.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	16.69kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	> 95%

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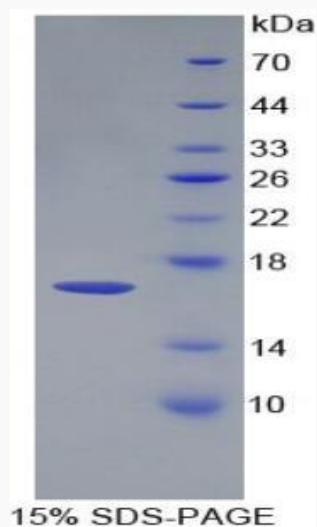
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Applications	Positive Control; Immunogen; SDS-PAGE; WB. If bio-activity of the protein is needed, please check active protein
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation 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	Gdf3 growth differentiation factor 3 [Mus musculus]
Official Symbol	Gdf3
Synonyms	GDF3; growth differentiation factor 3; growth/differentiation factor 3; VG-1-related protein 2; Vgr2; Gdf-3; Vgr-2; ecat9; C78318; MGC123990; MGC123991;
Gene ID	14562
mRNA Refseq	NM_008108
Protein Refseq	NP_032134
UniProt ID	Q07104

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