Recombinant Mouse Gdf6 Protein, His-tagged

Cat. No. Gdf6-278M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Gdf6(Ser339~Arg454) fused with His tag at N-terminal was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Ser339~Arg454
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 required for normal formation of some bones and joints in the limbs, skull, and axial skeleton. Mice lacking a functional copy of this gene exhibit joint and skeletal defects.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	14.7kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	> 95%

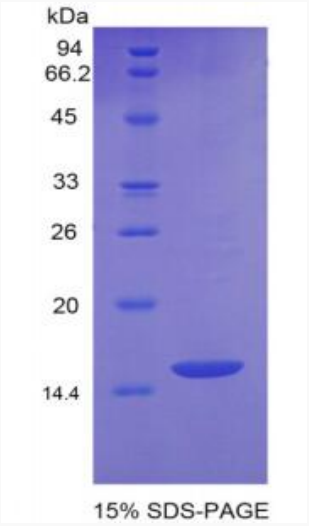
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Applications	Positive Control; Immunogen; SDS-PAGE; WB. If bio-activity of the protein is needed, please check active protein
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation 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	Gdf6 growth differentiation factor 6 [Mus musculus]
Official Symbol	Gdf6
Synonyms	GDF6; growth differentiation factor 6; growth/differentiation factor 6; GDF-6; growth differentiation factor 16; growth/differentiation factor 16; BMP13; GDF16;
Gene ID	242316
mRNA Refseq	NM_013526
Protein Refseq	NP_038554
UniProt ID	P43028

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15% SDS-PAGE

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