

Recombinant Mouse Gdf2 protein, His-tagged

Cat. No. Gdf2-1852M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Gdf2 aa. (Ile241~Glu418 (Accession # Q9WV56)) fused with N-terminal His tag was produced in E. coli cells.
Species	Mouse
Source	E.coli
ProteinLength	Ile241~Glu418
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 regulates cartilage and bone development, angiogenesis and differentiation of cholinergic central nervous system neurons. Homozygous null mice exhibit malformations of the vasculature and skeleton.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 21.3kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%

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Characteristic	The isoelectric point is 6.8.
Applications	SDS-PAGE; WB; ELISA; IP.
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°C 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°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	Gdf2 growth differentiation factor 2 [Mus musculus (house mouse)]
Official Symbol	Gdf2
Synonyms	Gdf2; growth differentiation factor 2; Bmp9; growth/differentiation factor 2; bone morphogenetic protein 9
Gene ID	12165
mRNA Refseq	NM_019506.4
Protein Refseq	NP_062379.3

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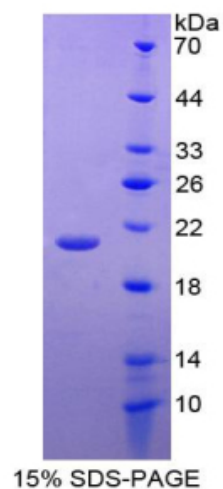
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UniProt ID

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SDS-PAGE

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