

Recombinant Mouse Gdf11 Protein, His-tagged

Cat. No. Gdf11-282M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Gdf11(Thr136~Asn384) fused with His tag at N-terminal was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Thr136~Asn384
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 plays a role in the development of the nervous and other organ systems, and may regulate aging. Mice lacking a functional copy of this gene exhibit impaired anteroposterior patterning and other developmental defects.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	32.0kDa
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	Gdf11 growth differentiation factor 11 [Mus musculus]
Official Symbol	Gdf11
Synonyms	GDF11; growth differentiation factor 11; growth/differentiation factor 11; GDF-11; bone morphogenetic protein 11; Bmp11; BMP-11;
Gene ID	14561
mRNA Refseq	NM_010272
Protein Refseq	NP_034402
UniProt ID	Q9Z1W4

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