# Recombinant Mouse Gdf10 Protein, His-tagged

**Cat. No.** Gdf10-286M **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Recombinant Mouse Gdf10(Lys339~Arg477) fused with His tag at N-terminal was expressed in E. coli. |
| **Species** | Mouse |
| **Source** | E.coli |
| **ProteinLength** | Lys339~Arg477 |
| **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 has been shown to promote neural repair after stroke and may act as a tumor suppressor. |
| **Form** | PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300. |
| **Molecular Mass** | 19.5kDa |
| **Endotoxin** | <1.0EU per 1ug (determined by the LAL method) |
| **Purity** | > 95% |
| **Applications** | Positive Control; Immunogen; SDS-PAGE; WB. |

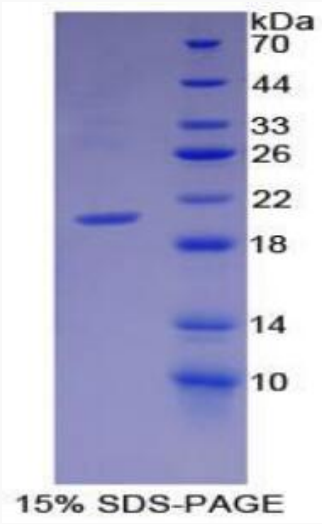
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| | If bio-activity of the protein is needed, please check active protein |
| **Stability** | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 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

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| **Gene Name** | Gdf10 growth differentiation factor 10 [ Mus musculus ] |
| **Official Symbol** | Gdf10 |
| **Synonyms** | GDF10; growth differentiation factor 10; bone morphogenetic protein 3B; BMP-3b; GDF-10; |
| **Gene ID** | 14560 |
| **mRNA Refseq** | NM_145741 |
| **Protein Refseq** | NP_665684 |

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