

Recombinant Human GDF10 Protein, His-tagged

Cat. No. GDF10-284H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human GDF10(Arg337~Cys477) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Arg337~Cys477
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 promotes neural repair after stroke. Additionally, this protein may act as a tumor suppressor and reduced expression of this gene is associated with oral cancer.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	20.0kDa
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

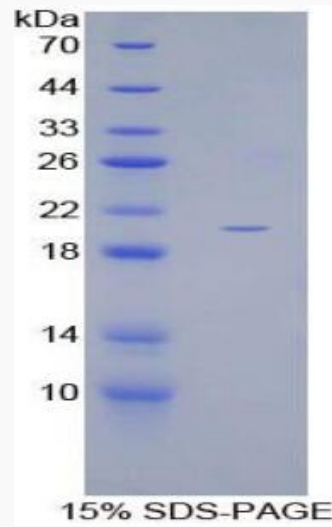
GENE INFORMATION

Gene Name	GDF10 growth differentiation factor 10 [Homo sapiens]
Official Symbol	GDF10
Synonyms	GDF10; growth differentiation factor 10; bone morphogenetic protein 3B; BMP 3b; BIP; GDF-10; bone-inducing protein; BMP3B; BMP-3b;
Gene ID	2662
mRNA Refseq	NM_004962
Protein Refseq	NP_004953
MIM	601361
UniProt ID	P55107

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