

Recombinant Human GDF11 Protein, His-tagged

Cat. No. GDF11-280H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GDF11(Thr138~Asn386) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Thr138~Asn386
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.
Form	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Molecular Mass	31.88kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	> 90%

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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 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	GDF11 growth differentiation factor 11 [Homo sapiens]
Official Symbol	GDF11
Synonyms	GDF11; growth differentiation factor 11; growth/differentiation factor 11; BMP 11; GDF-11; bone morphogenetic protein 11; BMP11; BMP-11;
Gene ID	10220
mRNA Refseq	NM_005811
Protein Refseq	NP_005802
MIM	603936

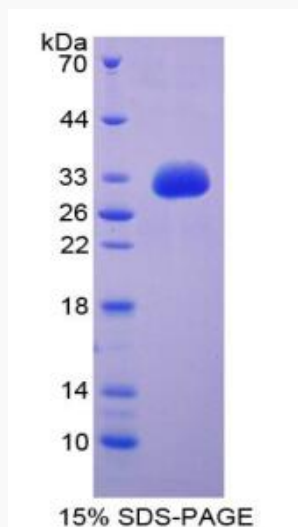
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UniProt ID

O95390

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