Recombinant Human GDF6 Protein, His-tagged

Cat. No. GDF6-277H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GDF6(Thr336~Arg455) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Thr336~Arg455
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 is required for normal formation of some bones and joints in the limbs, skull, and axial skeleton. Mutations in this gene are associated with Klippel-Feil syndrome, microphthalmia, and Leber congenital amaurosis.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	15.1kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	> 95%

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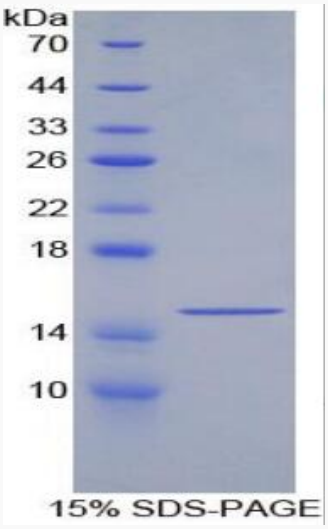
Applications	Positive Control; Immunogen; SDS-PAGE; WB. If bio-activity of the protein is needed, please check active protein
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade 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	GDF6 growth differentiation factor 6 [Homo sapiens]
Official Symbol	GDF6
Synonyms	GDF6; growth differentiation factor 6; growth/differentiation factor 6; BMP13; GDF-6; Klippel-Feil syndrome; Klip-Feil malformation; Klippel-Feil malformation; growth/differentiation factor 16; KFM; KFS; KFS1; KFSL; SGM1; CDMP2; MCOP4; SCDO4; MCOPCB6; MGC158100; MGC158101;
Gene ID	392255
mRNA Refseq	NM_001001557
Protein Refseq	NP_001001557
MIM	601147

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UniProt ID	Q6KF10



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