

Recombinant Human GDF11, His-tagged

Cat. No. GDF11-12H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human GDF11, fused to His-tag at N-terminus, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	299-407aa
Description	The protein encoded by this gene is a member of the bone morphogenetic protein (BMP) family and the TGF-beta superfamily. This group of proteins is characterized by a polybasic proteolytic processing site which is cleaved to produce a mature protein containing seven conserved cysteine residues. The members of this family are regulators of cell growth and differentiation in both embryonic and adult tissues. Studies in mice and Xenopus suggest that this protein is involved in mesodermal formation and neurogenesis during embryonic development.
Form	Liquid, In 20mM Tris-HCl (pH8.0) containing 10% glycerol
Molecular Mass	14.8kDa (132aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSNLGLDCD EHSSESRCR YPLTVDFEAF GWDWIIAPKR YKANYCSGQC EYMFQMKYPH THLVQQANPR GSAGPCCTPT KMSPINMLYF NDKQQIYGK IPGMVVDRCG CS
Purity	> 85% by SDS - PAGE

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Applications	SDS-PAGE
Storage	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.
Concentration	1mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name	GDF11 growth differentiation factor 11 [Homo sapiens]
Official Symbol	GDF11
Synonyms	GDF11; growth differentiation factor 11; BMP11; BMP-11; bone morphogenetic protein 11; GDF-11; growth/differentiation factor 11
Gene ID	10220
mRNA Refseq	NM_005811
Protein Refseq	NP_005802
MIM	603936
UniProt ID	O95390
Chromosome Location	12q13.2
Function	cytokine activity; growth factor activity

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