

Recombinant Human GDF10 protein

Cat. No. GDF10-27683TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GDF10(369-478aa) was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	369-478 a.a.
Description	GDF10 (Growth differentiation factor 10) is a member of the bone morphogenetic protein (BMP) family and the TGF-beta superfamily. It is expressed in femur, brain, lung, skeletal, muscle, pancreas and testis, and it plays a role in head formation and may have multiple roles in skeletal morphogenesis. 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.
Form	Liquid. In 10 mM sodium citrate (pH 3.5) containing 10% glycerol.
Molecular Mass	12.5 kDa (111aa), confirmed by MALDI-TOF.
AA Sequence	MQWDEPRVCS RRYLKVD FAD IGWNEWIISP KSFDAYYCAG ACEFPMPKIV RPSNHATIQS IVRAVGII PG IPEPCCVPDK MNSLGVLFLDENRNVVLKVY PNMSVDTCAC R

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	> 95% by SDS - PAGE
Storage	Can be stored at +4 centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20 centigrade or -70 centigrade. Avoid repeated freezing and thawing cycles.
Concentration	1 mg/ml (determined by Bradford assay)
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
Chromosome Location	10q11.22
Pathway	Adipogenesis, organism-specific biosystem;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Function	cytokine activity; growth factor activity;
-----------------	--

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA