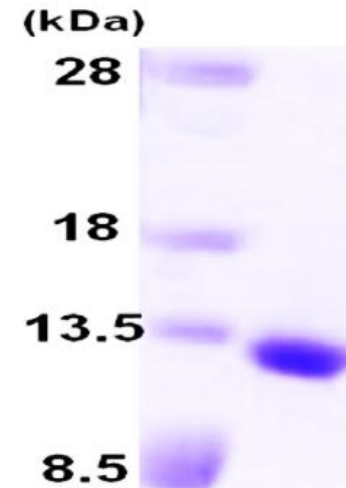


# BMP-3b/GDF-10, human recombinant

<b>CATALOG #:</b>	7303-100	100 µg
<b>ALTERNATE NAMES:</b>	BMP-3b, BMP3B, BIP, Growth differentiation factor 10	
<b>SOURCE:</b>	E. coli	
<b>PURITY:</b>	> 95% by SDS-PAGE	
<b>MOL. WEIGHT:</b>	12.5 kDa (111 aa, 369-478 aa), confirmed by MALDI-TOF.	
<b>ENDOTOXIN LEVEL:</b>	< 1.0 EU per 1 microgram of protein	
<b>FORM:</b>	Liquid	
<b>FORMULATION:</b>	In 10 mM sodium citrate (pH 3.5) containing 10% glycerol	
<b>STORAGE CONDITIONS:</b>	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.	

**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. Recombinant GDF10 protein was expressed in E.coli and purified by using conventional chromatography techniques.

**AMINO ACID SEQUENCE:** MQWDEPRVCS RRYLKVDFAD IGWNEWIISP  
KSFDAYYCAG ACEFPMPKIV RPSNHATIQS IVRAVGIIPG IPEPCCVPDK  
MNSLGVLF LD ENRNVVLKVY PNMSVDTCAC R



15% SDS-PAGE (3µg)

GDF-10, human recombinant

#### RELATED PRODUCTS:

- GDF-2, human recombinant (Cat. No. 7154-10, -50)
- GDF-15-D, human recombinant (Cat. No. 4570-20, -100, -1000)
- GDF-15, human recombinant (Cat. No. 4569-20, -100, -1000)
- GDF-3, human recombinant (Cat. No. 4757-20, -100, -1000)
- GDF-5, human recombinant (Cat. No. 4667-20, -100, -1000)
- GDF-9, human recombinant (Cat. No. 4872-20, -100, -1000)

**FOR RESEARCH USE ONLY! Not to be used in humans.**