

BMP-3b/GDF-10, human recombinant protein
BMP-3b, BMP3B, BIP, Growth differentiation factor 10
Catalog # PBV10927r**Specification**

BMP-3b/GDF-10, human recombinant protein - Product info

Primary Accession	P55107
Concentration	1
Calculated MW	12.5 kDa (111 aa, 369-478 aa), confirmed by MALDI-TOF. KDa

BMP-3b/GDF-10, human recombinant protein - Additional Info

Gene ID	2662
Gene Symbol	GDF10
Other Names	
BMP-3b, BMP3B, BIP, Growth differentiation factor 10	
Gene Source	Human
Source	E. coli
Assay&Purity	SDS-PAGE; ≥95%
Assay2&Purity2	N/A;
Recombinant	Yes
Sequence	MQWDEPRVCS RRYLKVDFAD IGWNEWIISP KSFDAYYCAG ACEFPMPKIV RPSNHATIQS IVRAVGIIIPG IPEPCCVPDK MNSLGVLFLD ENRNVVLKVY PNMSVDTCAC R

Target/Specificity
GDF10**Format**
Liquid**Storage**
-80°C; 1 mg/ml in 10 mM sodium citrate (pH 3.5) containing 10% glycerol**BMP-3b/GDF-10, human recombinant protein - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

BMP-3b/GDF-10, human recombinant protein - Images**BMP-3b/GDF-10, human recombinant protein - Background**

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.

BMP-3b/GDF-10, human recombinant protein - References

Hino J.,et al.Biochem. Biophys. Res. Commun. 223:304-310(1996).
Deloukas P.,et al.Nature 429:375-381(2004).
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.
Cunningham N.S.,et al.Growth Factors 12:99-109(1995).