

BMP8B, human recombinant protein
BMP8, OP2, Bone morphogenetic protein 8B
Catalog # PBV10928r**Specification**

BMP8B, human recombinant protein - Product info

Primary Accession	P34820
Concentration	1
Calculated MW	18.1 kDa (162 aa, 264-402 aa + His tag), confirmed by MALDI-TOF. KDa

BMP8B, human recombinant protein - Additional Info

Gene ID	656
Gene Symbol	BMP8B
Other Names	
BMP8, OP2, Bone morphogenetic protein 8B	
Gene Source	Human
Source	E. coli
Assay&Purity	SDS-PAGE; ≥90%
Assay2&Purity2	N/A;
Recombinant	Yes
Sequence	MGSSHHHHHH SSGLVPRGSH MGS AVRPLRR RQPKKSNELP QANRLPGIFD DVHGSHGRQV CRRHELYVSF QDLGWLDWVI APQGY SAYYC EGECSFPLDS CMNATNHAIL QSLVHLMMPD AVPKACCAPT KLSATSVLYY DSSNNVILRK HRNMVVKACG CH

Target/Specificity
BMP8B**Format**
Liquid**Storage**
-80°C; 1 mg/ml in 20 mM Tris-HCl buffer (pH 8.0) containing 0.4 M Urea and 10% glycerol**BMP8B, 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](#)

BMP8B, human recombinant protein - Images**BMP8B, human recombinant protein - Background**

The bone morphogenetic proteins (BMPs) are a family of secreted signaling molecules that can induce ectopic bone growth. Many BMPs are part of the transforming growth factor-beta (TGFB) superfamily. BMPs were originally identified by an ability of demineralized bone extract to induce endochondral osteogenesis in vivo in an extra skeletal site. Based on its expression early in embryogenesis, the BMP encoded by this gene has a proposed role in early development. In addition, the fact that this BMP is closely related to BMP5 and BMP7 has led to speculation of possible bone inductive activity. Recombinant human BMP8B protein, fused to His-tag at N-terminus, was expressed in E.coli.

BMP8B, human recombinant protein - References

Oezkaynak E.,et al.J. Biol. Chem. 267:25220-25227(1992).
Onishi M.,et al.Submitted (JUN-2003) to the EMBL/GenBank/DDBJ databases.
Gregory S.G.,et al.Nature 441:315-321(2006).