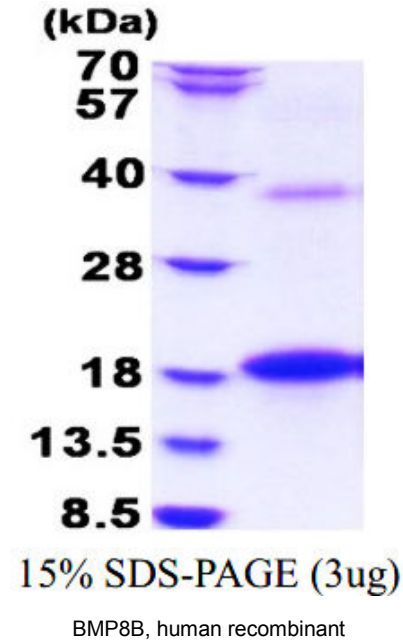


BMP8B, human recombinant

CATALOG #:	7304-100	100 µg
ALTERNATE NAMES:	BMP8, OP2, Bone morphogenetic protein 8B	
SOURCE:	E. coli	
PURITY:	> 90% by SDS-PAGE	
MOL. WEIGHT:	18.1 kDa (162 aa, 264-402 aa + His tag), confirmed by MALDI-TOF.	
ENDOTOXIN LEVEL:	< 1.0 EU per 1 microgram of protein	
FORM:	Liquid	
FORMULATION:	1 mg/ml in 20 mM Tris-HCl buffer (pH 8.0) containing 0.4 M Urea and 10% glycerol	
STORAGE CONDITIONS:	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: 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.

AMINO ACID SEQUENCE: MGSSHHHHHH SSGLVPRGSH MGS AVRPLRR
 RQPKKSNELP QANRLPGIFD DVHGS HGRQV CRRHELYVSF QDLGWLDWVI
 APQGYSAYYC EGECSPFLDS CMNATNHAIL QSLVHLMMPD AVPKACCAPT
 KLSATSVLYY DSSNNVILRK HRNMVVKACG CH



RELATED PRODUCTS:

- BMP-10, human recombinant (Cat. No. 4581-20, -100, -1000)
- BMP-11, human recombinant (Cat. No. 4576-10, -50, -1000)
- BMP-12, human recombinant (Cat. No. 4572-20, -100, -1000)
- BMP-13, human recombinant (Cat. No. 4639-10, -50, -1000)
- BMP-14, human recombinant (Cat. No. 4580-10, -50, -1000)
- BMP-2, human recombinant (Cat. No. 4577-10, -50, -1000)
- BMP-3, human recombinant (Cat. No. 4573-10, -50, -1000)
- BMP-4, human recombinant (Cat. No. 4578-10, -50, -1000)
- BMP-5, human recombinant (Cat. No. 4574-10, -50, -1000)
- BMP-6, human recombinant (Cat. No. 4911-10, -50, -1000)
- BMP-7, human recombinant (Cat. No. 4579-10, -50, -1000)

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