Recombinant Human BMP8B

Cat. No. BMP8B-27490TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human BMP8 with a N terminal proprietary tag; Predicted MW 35.42 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	89 amino acids
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 extraskeletal 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.
Molecular Weight	35.420kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.79% Tris HCl, 0.3% Glutathione

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Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	KKSNELPQANRLPGIFDDVHGSHGRQVCRRHELYVSFQDLGWLDWVIAPQGYSAY YCEGECSFPLDSCMNATNHAILQSLVHLMMPDAV
Sequence Similarities	Belongs to the TGF-beta family.

GENE INFORMATION

Gene Name	BMP8B bone morphogenetic protein 8b [Homo sapiens]
Official Symbol	BMP8B
Synonyms	BMP8B; bone morphogenetic protein 8b; BMP8, bone morphogenetic protein 8 (osteogenic protein 2); bone morphogenetic protein 8B; OP 2; osteogenic protein 2;
Gene ID	656
mRNA Refseq	NM_001720
Protein Refseq	NP_001711
MIM	602284
Uniprot ID	P34820
Chromosome Location	1p35-p32
Pathway	Hedgehog signaling pathway, organism-specific biosystem; Hedgehog signaling

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	pathway, conserved biosystem; TGF-beta signaling pathway, organism-specific biosystem; TGF-beta signaling pathway, conserved biosystem;
Function	cytokine activity; growth factor activity;

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