

Recombinant Mouse Bmp7 protein, His/S-tagged

Cat. No. Bmp7-208M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Bmp7 fused with His/S tag was expressed in E. coli.
Species	Mouse
Source	E.coli
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 and possible bone inductive activity.
Form	Lyophilized from sterile PBS, pH 7.4
Purity	> 95 % as determined by SDS-PAGE
Storage	Store at -70 centigrade. Avoid repeated freeze/thaw cycles.

GENE INFORMATION

Gene Name	Bmp7 bone morphogenetic protein 7 [Mus musculus]
Official Symbol	Bmp7

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Synonyms	BMP7; bone morphogenetic protein 7; OP-1; BMP-7; osteogenic protein 1; OP1;
Gene ID	12162
mRNA Refseq	NM_007557
Protein Refseq	NP_031583
UniProt ID	P23359
Chromosome Location	2 H3; 2 95.54 cM
Pathway	Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Endochondral Ossification, organism-specific biosystem; Hedgehog signaling pathway, organism-specific biosystem; Hedgehog signaling pathway, conserved biosystem; TGF-beta signaling pathway, organism-specific biosystem; TGF-beta signaling pathway, conserved biosystem;
Function	BMP receptor binding; cytokine activity; growth factor activity; heparin binding; protein binding;