

## 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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<b>Synonyms</b>	BMP7; bone morphogenetic protein 7; OP-1; BMP-7; osteogenic protein 1; OP1;
<b>Gene ID</b>	<a href="#">12162</a>
<b>mRNA Refseq</b>	<a href="#">NM_007557</a>
<b>Protein Refseq</b>	<a href="#">NP_031583</a>
<b>UniProt ID</b>	<a href="#">P23359</a>
<b>Chromosome Location</b>	2 H3; 2 95.54 cM
<b>Pathway</b>	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;
<b>Function</b>	BMP receptor binding; cytokine activity; growth factor activity; heparin binding; protein binding;

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