

Recombinant Mouse Bmp1 protein, His-tagged

Cat. No. Bmp1-663M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Bmp1 aa. (Gly856~Lys982 (Accession # P98063)) fused with N-terminal His tag was produced in E. coli cells.
Species	Mouse
Source	E.coli
ProteinLength	Gly856~Lys982
Description	This gene encodes a metalloproteinase that plays an essential role in the formation of the extracellular matrix and is also able to induce ectopic bone formation. Unlike other bone morphogenetic proteins, the protein encoded by this gene is not closely related to transforming growth factor-beta. This protein plays in role several developmental processes. In humans, mutations in this gene are associated with osteogenesis imperfecta and with increased bone mineral density and multiple recurrent fractures. Alternative splicing results in multiple transcript variants.
Form	Freeze-dried powder
Molecular Mass	22kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%

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Characteristic	The isoelectric point is 4.9.
Applications	SDS-PAGE; WB; ELISA; IP
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	Bmp1 bone morphogenetic protein 1 [Mus musculus (house mouse)]
Official Symbol	Bmp1
Synonyms	Bmp1; bone morphogenetic protein 1; Pcp; Tld; bone morphogenetic protein 1; mammalian tolloid protein; procollagen C-proteinase
Gene ID	12153
mRNA Refseq	NM_009755.3
Protein Refseq	NP_033885.2

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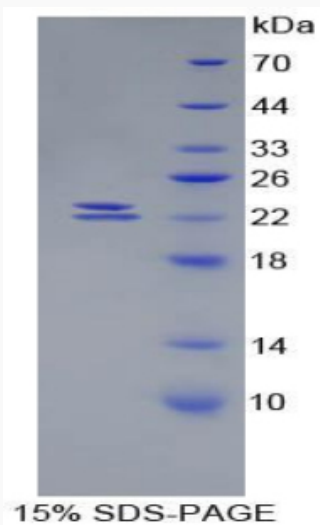
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UniProt ID

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SDS-PAGE

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