

Recombinant Human BMP1 protein, His & GST-tagged

Cat. No. BMP1-662H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human BMP1 aa. (Glu610~Ser843 (Accession # P13497)) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Glu610~Ser843
Description	This gene encodes a protein that is capable of inducing formation of cartilage in vivo. Although other bone morphogenetic proteins are members of the TGF-beta superfamily, this gene encodes a protein that is not closely related to other known growth factors. This gene is expressed as alternatively spliced variants that share an N-terminal protease domain but differ in their C-terminal region.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 58.5kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 6.1.

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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

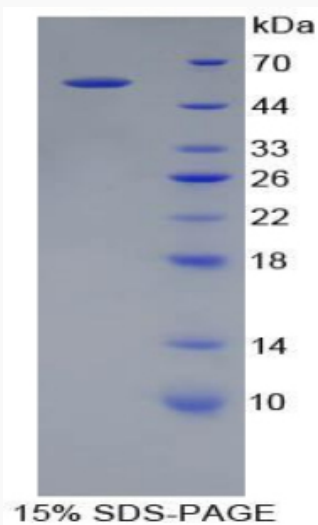
Gene Name	BMP1 bone morphogenetic protein 1 [Homo sapiens (human)]
Official Symbol	BMP1
Synonyms	BMP1; bone morphogenetic protein 1; PCP; TLD; OI13; PCP2; PCOLC; bone morphogenetic protein 1; mammalian tolloid protein; procollagen C-endopeptidase; procollagen C-proteinase 3
Gene ID	649
mRNA Refseq	NM_001199.3
Protein Refseq	NP_001190.1
UniProt ID	P13497

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SDS-PAGE



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