

Active Recombinant Human BMP1, His-tagged

Cat. No. BMP1-707H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human BMP1 (Accession # NP_001190) Ala121-Gln730, fused with a C-terminal 6-His tag, was produced in Mouse myeloma cell line, NS0-derived.
Species	Human
Source	Mammalian Cells
ProteinLength	121-730 a.a.
Predicted N Terminal	Ala121
Form	Lyophilized from a 0.2 µm filtered solution in HEPES, Sodium Sulfate and ZnCl ₂ .
Bio-activity	Measured by its ability to cleave a fluorogenic peptide substrate, Mca-YVADAPK(Dnp)-OH .The specific activity is >4 pmol/min/µg, as measured under the described conditions.
Molecular Mass	Recombinant Human BMP1, His-tagged has a calculated MW of 70.5 kDa. In SDS-PAGE migrates as 84 kDa, reducing conditions.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).

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GENE INFORMATION

Gene Name	BMP1 bone morphogenetic protein 1 [Homo sapiens]
Official Symbol	BMP1
Synonyms	BMP1; bone morphogenetic protein 1; PCOLC, procollagen C endopeptidase; procollagen C endopeptidase; procollagen C-proteinase; mammalian tolloid protein; procollagen C-endopeptidase; PCP; TLD; PCP2; PCOLC; FLJ44432;
Gene ID	649
mRNA Refseq	NM_001199
Protein Refseq	NP_001190
MIM	112264
UniProt ID	P13497
Chromosome Location	8p21

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