

Recombinant Human BMP1 protein, GST-tagged

Cat. No. BMP1-26314TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human BMP1(747 a.a. - 845 a.a.) fused with GST tag at N-terminal was expressed in Wheat germ.
Species	Human
Source	Wheat Germ
ProteinLength	747-845 a.a.
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	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	36.63 kDa
AA Sequence	CDHKVTSTSGTITSPNWPDKYPSKKECTWAISSTPGHRVKLTFMEMDIESQPECAY DHLEVFDGRDAKAPVLGRF CGSKKPEPVLATGSRMFLRFYSDN
Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array

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Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
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_006129
Protein Refseq	NP_006120
MIM	112264
UniProt ID	P13497
Chromosome Location	8p21
Pathway	Adipogenesis, organism-specific biosystem; HDL-mediated lipid transport, organism-specific biosystem; Lipid digestion, mobilization, and transport, organism-specific biosystem; Lipoprotein metabolism, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of lipids and lipoproteins, organism-specific

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biosystem;

Function

calcium ion binding; cytokine activity; growth factor activity; metal ion binding; metalloendopeptidase activity; metalloendopeptidase activity; metallopeptidase activity; peptidase activity; peptidase activity; zinc ion binding;

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