Recombinant Full Length Human BMP1 Protein, GST-tagged

Cat. No. BMP1-1734HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human BMP1 full-length ORF (ENSP00000307408, 1 a.a. - 622 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	622 amino acids
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	96.9 kDa
AA Sequence	MPGVARLPLLLGLLLLPRPGRPLDLADYTYDLAEEDDSEPLNYKDPCKAAAFLGDIAL DEEDLRAFQVQQAVDLRRHTARKSSIKAAVPGNTSTPSCQSTNGQPQRGACGRWR GRSRSRRAATSRPERVWPDGVIPFVIGGNFTGSQRAVFRQAMRHWEKHTCVTFLE RTDEDSYIVFTYRPCGCCSYVGRRGGGPQAISIGKNCDKFGIVVHELGHVVGFWHE HTRPDRDRHVSIVRENIQPGQEYNFLKMEPQEVESLGETYDFDSIMHYARNTFSRGI FLDTIVPKYEVNGVKPPIGQRTRLSKGDIAQARKLYKCPACGETLQDSTGNFSSPEY

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	PNGYSAHMHCVWRISVTPGEKIILNFTSLDLYRSRLCWYDYVEVRDGFWRKAPLRG RFCGSKLPEPIVSTDSRLWVEFRSSSNWVGKGFFAVYEAICGGDVKKDYGHIQSPN YPDDYRPSKVCIWRIQVSEGFHVGLTFQSFEIERHDSCAYDYLEVRDGHSESSTLIG RYCGYEKPDDIKSTSSRLWLKFVSDGSINKAGFAVNFFKEVDECSRPNRGGCEQRC LNTLGSYKCSCDPGYELAPDKRRCEGCYDLQVGKPLLWDRHCFRLSTHGPEMLGT ALRG
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.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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

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UniProt ID	P13497

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