

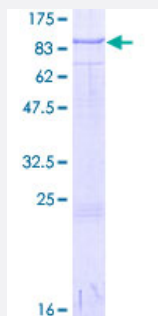
Full-Length

BMP1 (Human) Recombinant Protein (P01)

Catalog # H00000649-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human BMP1 full-length ORF (ENSP00000307408, 1 a.a. - 622 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MPGVARLPLLLGLLLLPRPGRPLDLADYTYDLAEEDDSEPLNYKDPCKAAAFGLGDIALDEEDLRA
FQVQQAVDLRRHTARKSSIKAAVPGNTSTPSCQSTNGQPQRGACGRWRGRSRRAATSRPER
VWPDGVIPFVIGGNFTGSQRAVFRQAMRHWEKHTCVTFLETRDEDSYVFTYRPGCCSYVGRR
GGGPQAISIGKNCDKFGIVVHELGHVVGFWHEHTRPDRDRHVSIVRENIQPGQEYNFLKMEPQEV
ESLGETYDFDSIMHYARNTFSRGIFLDTVPKYEVENGVKPPIGQRTLSKGDIAQARKLYKCPACGE
TLQDSTGNFSSPEYPNGYSAHMHCVWRISVTPGEKILNFTSLDLYRSRLCWYDYVEVRDGFWRK
APLRGRFCGSKLPEPIVSTDSRLWVEFRSSSNWVGKGFFAVYEAICGGDVKKDYGHIQSPNYPD
DYRPSKVCWRIQVSEGFHVGLTFQSFEIERHDSYDYLEVVDGHSESSTLIGRYCGYEKPDDIK
STSSRLWLKFVSDGSINKAGFAVNFFKEVDECSRPNRGCEQRCNLTLGSYKCSKCDPGYELAP
DKRRCGECYDLQVGKPLLWDRHCFRLSTHGPEMLGTALRG

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

96.9

Interspecies Antigen Sequence

Mouse (92); Rat (93)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — BMP1

Entrez GeneID	649
GeneBank Accession#	ENST00000306358
Protein Accession#	ENSP00000307408
Gene Name	BMP1
Gene Alias	FLJ44432, PCOLC, PCP, TLD, pCP-2
Gene Description	bone morphogenetic protein 1
Omim ID	112264
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq]
Other Designations	procollagen C-endopeptidase procollagen C-proteinase

Disease

- [Alzheimer disease](#)
- [Cardiovascular Diseases](#)
- [Colorectal Neoplasms](#)
- [Diabetes Complications](#)
- [Genetic Predisposition to Disease](#)
- [Kidney Failure](#)
- [Metabolic Syndrome X](#)
- [Microsatellite Instability](#)
- [Neoplasms](#)
- [Osteoporosis](#)
- [Ovarian Neoplasms](#)
- [Stomach Neoplasms](#)