

Bone morphogenetic protein 1 (BMP1) Recombinant Protein | BMP1 recombinant protein

Recombinant Human Bone morphogenetic protein 1 (BMP1)

CATALOG # AAA18528	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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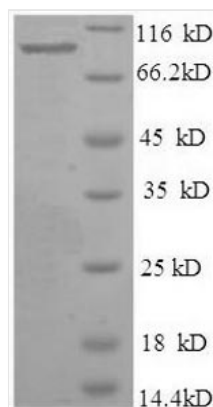
PRODUCT SYNONYMS

Bone morphogenetic protein 1 (BMP1); Recombinant Human Bone morphogenetic protein 1 (BMP1); Mammalian tolloid protein; mTld; Procollagen C-proteinase; PCP; BMP1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	121-986aa? Full Length of Mature Protein
Sequence	AATSRPERVW PDGVIPFVIG GNFTGSQRAV FRQAMRHWEK HTCVTFLERT DEDSYIVFTY RPCGCCSYVG RRGGGPQAIS IGKNCDKFGI VVHELGHVVG FWHEHTRPDR DRHVSIVREN IQPGQEYNFL KMEPQEVE GETYDFDSIM HYARNTFSRG IFLDTIVPKY EVNGVKPPIG QRTRLSKEDI AQARKLYKCP ACGETLQDST GNFSSPEYPN GYSAHMHCVW RISVTPGEKI ILNFTSLDLY RSRLCWYDYV EVRDGFWRKA PLRGRFCGSK LPEPIVSTDS RLWVEFRSSS NWVGKGFFAV YEAICGGDVK KDYGHIQSPN YPDDYRPSKV CIWRIQVSEG FHVGLTFQSF EIERHDSCAY DYLEVDRGHS ESSTLIGRYC GYEKPDDIKS TSSRLWLKFV SDGSINKAGF AVNFFKEVDE CSRPNRGGCE QRCLNTLGSY KCSCDPGYEL APDKRRCEAA CGGFLTKLNG SITSPGWPKE YPPNKNCIWQ LVAPTQYRIS LQFDFETEG NDVCKYDFVE VRSGLTADSK LHGKFCGSEK PEVITSQYNN MRVEFKSDNT VSKKGFKAHF FSDKDECSKD NGGCQQDCVN TFGSYECQCR SGFVLHDNKH DCKEAGCDHK VTSTSGTITS PNWPDKYPSK KECTWAISS PGHRVKLTFM EMDIESQPEC AYDHLEVFDDG RDAKAPVLGR FCGSKKPEPV LATGSRMFLR FYSDNSVQRK GFQASHATEC GGQVRADVKT KDLYSHAQFG DNNYPGGVDC EWWIVAEEGY GVELVFQTFE VEEETDCGYD YMELFDGYDS TAPRLGRYCG SGPPEEVYSA GDSVLVKFHS DDTITKKGFI LRYTSTKFQD TLHSRK
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for BMP1 recombinant protein	Cleaves the C-terminal propeptides of procollagen I, II and III. Induces cartilage and bone formation. May participate in dorsoventral patterning during early development by cleaving chordin (CHRD). Responsible for the proteolytic activation of lysyl oxidase LOX.
Product Categories/Family for BMP1 recombinant protein	Developmental Biology
References	The C-proteinase that processes procollagens to fibrillar collagens is identical to the protein previously identified as bone morphogenic protein-1.Li S.W., Sieron A.L., Fertala A., Hojima Y., Arnold W.V., Prockop D.J.Proc. Natl. Acad. Sci. U.S.A. 93:5127-5130(1996) Novel regulators of bone formation molecular clones and activities.Wozney J.M., Rosen V., Celeste A.J., Mitsock L.M., Whitters M.J., Kriz R.W., Hewick R.M., Wang E.A.Science 242:1528-1534(1988) Three alternatively spliced variants of the gene coding for the human bone morphogenetic protein-1.Janitz M., Heiser V., Boettcher U., Landt O., Lauster R.J. Mol. Med. 76:141-146(1998) Bone morphogenetic protein-1 and a mammalian tolloid homologue (mTld) are encoded by alternatively spliced transcripts which are differentially expressed in some tissues.Takahara K., Lyons G.E., Greenspan D.S.J. Biol. Chem. 269:32572-32578(1994)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502421
NCBI GeneID	649
NCBI Accession #	NP_001190.1
NCBI GenBank Nucleotide #	NM_001199.3
UniProt Accession #	P13497 ; Q13292 ; Q13872 ; Q14874 ; Q99421 ; Q99422 ; Q99423 ; Q9UL38 ; A8K6F5 ; B2RN46 ; D3DSR0
Molecular Weight	102 kDa
NCBI Official Full Name	bone morphogenetic protein 1 isoform 1
NCBI Official Synonym Full Names	bone morphogenetic protein 1
NCBI Official Symbol	BMP1
NCBI Official Synonym Symbols	PCP; TLD; OI13; PCP2; PCOLC
NCBI Protein Information	bone morphogenetic protein 1
UniProt Protein Name	Bone morphogenetic protein 1
UniProt Gene Name	BMP1
UniProt Synonym Gene Names	PCOLC; BMP-1; mTld; PCP
UniProt Entry Name	BMP1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/bmp1-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/18528>