

Recombinant Human Bone morphogenetic protein 1(BMP1)

Catalog No: #AP70084

Package Size: #AP70084-1 20ug #AP70084-2 100ug #AP70084-3 1mg

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

Product Name	Recombinant Human Bone morphogenetic protein 1(BMP1)
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:121-986aaSequence Info:Full Length
Other Names	Mammalian tolloid protein ;mTld;Procollagen C-proteinase ;PCP
Accession No.	P13497
Calculated MW	102 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	AATSRPERVWPDGVIPFVIGGNFTGSQRAVFRQAMRHWEKHTCVTFLERTDEDSYIVFTYRPGCCSYVGR GGGPQAISIGKNCKFGIVVHELGHVVGFWHEHTRPDRDRHVSIVRENIQPGQEYNFLKMEPQEVESLGETY DFDSIMHYARNTFSRGIFLDTIVPKYEVNGVKPPIGQRTRLSKGDIAQARKLYKCPACGETLQDSTGNFSSPEY PNGYSAHMHCVWRISVTPGEEKILNFTSLDLYSRLCWYDYVEVRDGFWRKAPLRGRFCGSKLPEPIVSTD SR LWVEFRSSSNWVGKGFFAVYEAICGGDVKKDYGHIQSPNYPDDYRPSKVCIWRIQVSEGFHVLTFQSFEIER HDSCAYDYLEVRDGHSESSTLIGRYCGYEKPDIDKSTSSRLWLKFVSDGSINKAGFAVNFFKEVDECSRPNRG GCEQRCLNTLGSYKSCDPGYELAPDKRCEAACGGFLTKLNGSITSPGWPKEYPPNKNCIWQLVAPTQYRI SLQFDFEFETEGNDVCKYDFVEVRSGLTADSKLHGKFCGSEKPEVITSQYNNMRVEFKSDNTVSKKGKFAHFF SDKDECSKDNNGCQDCVNTFGSYECQCRSGFVLHDNKHDCKEAGCDHKVTSTSGTITSPNWPDKYPSKK ECTWAISSTPGHRVKLTFMEMDIESQPECAYDHLEVFDRDAKAPVLGRFCGSKKPEPVLATGSRMFLRFYS DNSVQRKGFQASHATECGGQVRADVTKDLYSHAQFGDNNYPGGVDCEWVIVAEEGYGVELVFQTFEVEEEE TDCGYDYMELFDGYDSTAPRLGRYCGSGPPEEVYSAGDSVLVKFHSDDTITKGFHLRYTSTKFQDTLHSRK
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

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.

References

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)Research Topic:Developmental Biology

Note: This product is for in vitro research use only and is not intended for use in humans or animals.