

Recombinant Full Length Human BMPER Protein, GST-tagged

Cat. No. BMPER-1731HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human BMPER full-length ORF (NP_597725.1, 1 a.a. - 685 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	685 amino acids
Description	This gene encodes a secreted protein that interacts with, and inhibits bone morphogenetic protein (BMP) function. It has been shown to inhibit BMP2- and BMP4-dependent osteoblast differentiation and BMP-dependent differentiation of the chondrogenic cells. Mutations in this gene are associated with a lethal skeletal disorder, diaphanospondylodysostosis.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	102.4 kDa
AA Sequence	MLWFSGVGALAERYCRRSPGITCCVLLLLNCSGVPMSSLASSFLTGSVAKCENEDEV LQIPFITDNPICIMCVCLNKEVTCKREKCPVLSRDCALAIKQRGACCEQCKGCTYEGN TYNSSFKWQSPAEPVLRQCQEGVVTESGVRCVHCKNPLEHLGMCCPTCPGCV FEGVQYQEGEEFQPEGSKCTKCSCTGGRTQCVREVCPILSCPQHLSHIPPGQCCP KCLGQRKVFDPFGSCLFRSDVYDNGSSFLYDNCTACTCRDSTVVCKRKCSHPGG CDQGQEGCCEECLLRVPPEDIKVCKFGNKIFQDGEMWSSINCTICACVKGRTECRN

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KQCIPISSCPQGKILNRKGCCPICTEKPGVCTVFGDPHYNTFDGRTFNFQGTCQYVL
TKDCSSPASPFQVLVKNDARRTRSFWSVTKSVELVLGESRVSLQQHLTVRWNGSRIA
LPCRAPHFHIDLDGYLLKVTTKAGLEISWDGDSFVEVMAAPHLKGKLCGLCGNYNG
HKRDDLIGGDGNFKFDVDDFAESWRVESNEFCNRPQRKPVPELCQGTVKVKLRAH
RECQKLKSWEFQTCHSTVDYATFYRSCVTDMCECPVHKNCYCESFLAYTRACQRE
GIKVHWEPPQNCNAATQCKHGAVYDTCGPGCIKTCDNWNEIGPCNKPCVAGCHCPA
NLVLHKGRCIKPVLCPCR

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	BMPER BMP binding endothelial regulator [Homo sapiens]
Official Symbol	BMPER
Synonyms	BMPER; BMP binding endothelial regulator; BMP-binding endothelial regulator protein; CRIM3; crossveinless 2; Cv2; hCV2; crossveinless-2; BMP-binding endothelial regulator precursor protein; bone morphogenetic protein-binding endothelial cell precursor-derived regulator; CV2; CV-2
Gene ID	168667
mRNA Refseq	NM_133468
Protein Refseq	NP_597725

MIM	608699
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UniProt ID	Q8N8U9
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