

# Recombinant Full Length Human BMPER Protein, GST-tagged

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

## SPECIFICATION

<b>Product Overview</b>	Human BMPER full-length ORF ( NP_597725.1, 1 a.a. - 685 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	685 amino acids
<b>Description</b>	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.
<b>Form</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
<b>Molecular Mass</b>	102.4 kDa
<b>AA Sequence</b>	MLWFSGVGALAERYCRRSPGITCCVLLLLNCSGVPMSLASSFLTGSVAKCENEDEV LQIPFITDNPICIMCVCLNKEVTCKREKCPVLSRDCALAIKQRGACCEQCKGCTYEGN TYNSSFKWQSPAEPVLRQCQEGVVTESGVRCVVHCKNPLEHLGMCCPTCPGCV FEGVQYQEGEEFQPEGSKCTKCSCTGGRTQCVREVCPILSCPQHLSHIPPGQCCP KCLGQRKVFDLPFGSCLFRSDVYDNGSSFLYDNCTACTCRDSTVVCKRKCSHPGG CDQGGQEGCCEECLLRVPPEDIKVKCFGNKIFQDGMWSSINCTICACVKGRTECRN

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KQCIPISSCPQGKILNRKGCCPICTEKPGVCTVFGDPHYNTFDGRTFNFQGTCQYVL  
 TKDCSSPASPQVLVKNDARRTRSFSWTKSVELVLGESRVSLQQHLTVRWNGSRIA  
 LPCRAPHFHIDLDGYLLKVTTKAGLEISWDGDSFVEVMAAPHLKGKLCGLCGNYNG  
 HKRDDLIGGDGNFKFDVDDFAESWRVESNEFCNRPQRKPVPELCQGTVKVKLRAH  
 RECQKLKSWEFQTCHSTVDYATFYRSCVTDMCECPVHKNCYCESFLAYTRACQRE  
 GIKVHWEPPQONCAATQCKHGAVYDTCGPGCIKTCDNWNEIGPCNKPCVAGCHCPA  
 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](#)

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<b>MIM</b>	608699
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<b>UniProt ID</b>	Q8N8U9
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