

Recombinant Human BMPER protein, His & T7-tagged

Cat. No. BMPER-1685H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human BMPER aa. (Ser40~Cys289 (Accession # Q8N8U9)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Ser40~Cys289
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	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 31.0kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>90%
Applications	SDS-PAGE; WB; ELISA; IP.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
Isoelectric Point	6

GENE INFORMATION

Gene Name	BMPER BMP binding endothelial regulator [Homo sapiens (human)]
Official Symbol	BMPER
Synonyms	BMPER; BMP binding endothelial regulator; CV2; CV-2; CRIM3; BMP-binding endothelial regulator protein; BMP-binding endothelial regulator precursor protein; bone morphogenetic protein-binding endothelial cell precursor-derived regulator; crossveinless 2; hCV2
Gene ID	168667
mRNA Refseq	NM_133468.4
Protein Refseq	NP_597725.1

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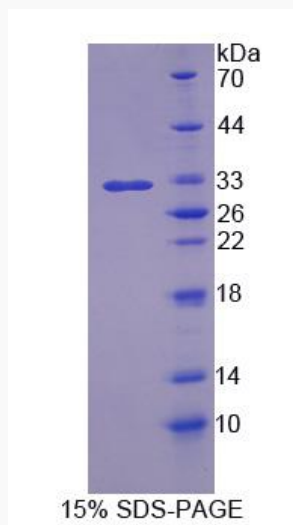
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UniProt ID

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SDS-PAGE

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