

Active Recombinant Mouse Bmper, His-tagged

Cat. No. Bmper-344M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Bmper (Accession # AAH66153) Val34-Arg685, Ala39-Asp369 & Pro370-Arg685, fused with an N-terminal 9-His tag, was produced in Mouse myeloma cell line, NS0-derived.
Species	Mouse
Source	Mammalian Cells
ProteinLength	34-685;39-369;370-685 a.a.
Predicted N Terminal	His, Ala39 & Pro370
Form	Lyophilized from a 0.2 µ filtered solution in PBS with BSA as a carrier protein.
Bio-activity	Measured by its ability to inhibit rhBMP-4-induced alkaline phosphatase production by ATDC5 mouse chondrogenic cells. Binnerts, M.E. et al. (2004) Biochem. Biophys. Res. Commun. 315:272. The ED50 for this effect is typically 0.5 - 2 µg/mL in the presence of 75 ng/mL of rhBMP-4.
Molecular Mass	In SDS-PAGE migrates as 36-39 kDa and 50-55 kDa, reducing conditions.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3

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months (-70°C).

Reconstitution

Reconstitute at 250 µg/mL in sterile PBS containing at least 0.1% human or bovine serum albumin.

GENE INFORMATION**Gene Name**

Bmper BMP-binding endothelial regulator [*Mus musculus*]

Official Symbol

Bmper

Synonyms

BMPER; BMP-binding endothelial regulator; BMP-binding endothelial regulator protein; mCV2; crossveinless-2; crossveinless 2 homolog; protein crossveinless-2; bone morphogenetic protein-binding endothelial cell precursor-derived regulator; Cv2; CV-2; Crim3; 3110056H04Rik;

Gene ID

73230

mRNA Refseq

NM_028472

Protein Refseq

NP_082748

MIM

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