

## Active Recombinant Mouse Bmper, His-tagged

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

### SPECIFICATION

|                             |                                                                                                                                                                                                                                                                                        |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>     | 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.                                                                                                   |
| <b>Species</b>              | Mouse                                                                                                                                                                                                                                                                                  |
| <b>Source</b>               | Mammalian Cells                                                                                                                                                                                                                                                                        |
| <b>ProteinLength</b>        | 34-685;39-369;370-685 a.a.                                                                                                                                                                                                                                                             |
| <b>Predicted N Terminal</b> | His, Ala39 & Pro370                                                                                                                                                                                                                                                                    |
| <b>Form</b>                 | Lyophilized from a 0.2 µm filtered solution in PBS with BSA as a carrier protein.                                                                                                                                                                                                      |
| <b>Bio-activity</b>         | 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. |
| <b>Molecular Mass</b>       | In SDS-PAGE migrates as 36-39 kDa and 50-55 kDa, reducing conditions.                                                                                                                                                                                                                  |
| <b>Purity</b>               | >95%, by SDS-PAGE under reducing conditions and visualized by silver stain.                                                                                                                                                                                                            |
| <b>Storage</b>              | 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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