

## Active GMP Recombinant Mouse Bmp4 protein, Fc-tagged

Cat. No. Bmp4-024MG Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	GMP Recombinant Mouse Bmp4 protein(NP_031580.2)(339 aa), fused with Fc Tag at the C-terminal, was expressed in HEK293 cell in an animal component free process under cGMP guidelines.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>ProteinLength</b>	DNA sequence encoding Mouse BMP-4(NCBI Reference Sequence: NP_031580.2) was expressed with Fc tag at the C-terminal.
<b>Bio-activity</b>	ATDC-5 cells induce the production of alkaline phosphatase to determine its activity. The expected ED 50 is 10-30ng/mL.
<b>Molecular Mass</b>	Recombinant Mouse BMP-4 contains 339 aa. It has a predicted MW of 38.9 kDa.
<b>Endotoxin</b>	<=0.01EU/ug
<b>Purity</b>	>=95% by SDS-PAGE and HPLC
<b>Storage</b>	The lyophilized preparation can be stored at 4°C for 24 months, and the dissolved liquid can be stored at -20°C for 6-12 months to avoid repeated freezing and thawing
<b>Reconstitution</b>	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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## GENE INFORMATION

<b>Gene Name</b>	Bmp4 bone morphogenetic protein 4 [ Mus musculus ]
<b>Official Symbol</b>	Bmp4
<b>Synonyms</b>	Bmp-; Bmp2; Bmp-4; Bmp2b; Bmp2b-; Bmp2b1; Bmp2b-1
<b>Gene ID</b>	12159
<b>mRNA Refseq</b>	NM_007554
<b>Protein Refseq</b>	NP_031580
<b>UniProt ID</b>	P21275

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