

Active GMP Recombinant Human BMP4 protein, Fc-tagged

Cat. No. BMP4-1325HG Lot. No. (See product label)

SPECIFICATION

Product Overview	GMP Recombinant Human BMP4 protein(NP_001334841.1)(354 aa), fused with Fc Tag at the C-terminal, was expressed in HEK293 cell in an animal component free process under cGMP guidelines.
Species	Human
Source	HEK293
ProteinLength	DNA sequence encoding Human BMP-4(NP_001334841.1) was expressed with Fc tag at the C-terminal.
Bio-activity	This depends on its ability to induce ATDC-5 cells to produce alkaline phosphatase, and the expected ED50 effectiveness is 4-16ng/ml.
Molecular Mass	Recombinant Human BMP-4 contains 354 aa. It has a predicted MW of 40.1 kDa.
Endotoxin	<=0.01EU/ug
Purity	>=95% by SDS-PAGE and HPLC
Storage	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
Reconstitution	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

Gene Name	BMP4 bone morphogenetic protein 4 [Homo sapiens]
Official Symbol	BMP4
Synonyms	BMP4; bone morphogenetic protein 4; BMP2B; BMP-4; BMP-2B; bone morphogenetic protein 2B; ZYME; OFC11; BMP2B1; MCOPS6;
Gene ID	652
mRNA Refseq	NM_001202
Protein Refseq	NP_001193
MIM	112262
UniProt ID	P12644

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