

Active GMP Recombinant Human BMP2 protein, Fc-tagged

Cat. No. BMP2-129HG Lot. No. (See product label)

SPECIFICATION

Product Overview	GMP Recombinant Human BMP2 protein(NP_001191.1)(352 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-2(NP_001191.1) 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 40-100ng/ml.
Molecular Mass	Recombinant Human BMP-2 contains 352 aa. It has a predicted MW of 39.8 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.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



GENE INFORMATION

Gene Name	BMP2 bone morphogenetic protein 2 [Homo sapiens]
Official Symbol	BMP2
Synonyms	BMP2; bone morphogenetic protein 2; BMP2A; BMP-2A; bone morphogenetic protein 2A; BDA2
Gene ID	650
mRNA Refseq	NM_001200
Protein Refseq	NP_001191
MIM	112261
UniProt ID	P12643

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