

## Active GMP Recombinant Human BMP5 protein, Fc-tagged

Cat. No. BMP5-221HG Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	GMP Recombinant Human BMP5 protein(NP_066551.1)(376 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>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	DNA sequence encoding Human BMP-5(NP_066551.1) was expressed with Fc tag at the C-terminal.
<b>Bio-activity</b>	This depends on its ability to induce ATDC-5 cells to produce alkaline phosphatase, and the expected ED50 effectiveness is 1.0-2.0ug/ml.
<b>Molecular Mass</b>	Recombinant Human BMP-5 contains 376 aa. It has a predicted MW of 42.6 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>	BMP5 bone morphogenetic protein 5 [ Homo sapiens ]
<b>Official Symbol</b>	BMP5
<b>Synonyms</b>	BMP5; bone morphogenetic protein 5; BMP-5; MGC34244
<b>Gene ID</b>	653
<b>mRNA Refseq</b>	NM_021073
<b>Protein Refseq</b>	NP_066551
<b>MIM</b>	112265
<b>UniProt ID</b>	P22003

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