

## Recombinant Human BMP7 Protein (Asp30-His431), His tagged

Cat. No. BMP7-0781H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human BMP7 (Asp30-His431) fused with His tag was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	Asp30-His431
<b>Description</b>	Induces cartilage and bone formation. May be the osteoinductive factor responsible for the phenomenon of epithelial osteogenesis. Plays a role in calcium regulation and bone homeostasis. Promotes brown adipocyte differentiation by P38 MAPK pathway-mediated activation of target genes, including members of the SOX family of transcription factors.
<b>Form</b>	Lyophilized powder/frozen liquid
<b>Molecular Mass</b>	48.42 kDa
<b>Purity</b>	>90% as determined by SDS-PAGE.
<b>Notes</b>	For research use only.
<b>Storage</b>	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week.

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Store at -20 to -80 centigrade for twelve months from the date of receipt.

**Storage Buffer** Lyophilized from PBS, pH 7.4, 0.02% NLS, 1mM EDTA, 4% trehalose, 1% mannitol.

**Reconstitution** Reconstitute in sterile water for a stock solution.

**Shipping** They are shipped out with dry ice/blue ice unless customers require otherwise.

## GENE INFORMATION

**Gene Name** BMP7 bone morphogenetic protein 7 [ Homo sapiens (human) ]

**Official Symbol** BMP7

**Synonyms** BMP7; bone morphogenetic protein 7; OP 1; osteogenic protein 1; BMP-7; OP-1;

**Gene ID** 655

**mRNA Refseq** NM\_001719

**Protein Refseq** NP\_001710

**MIM** 112267

**UniProt ID** P18075

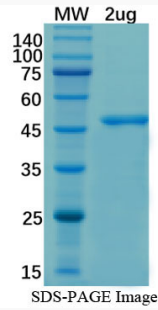
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SDS-PAGE



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