

Active GMP Recombinant Human BMP7 Protein

Cat. No. BMP7-126HG Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human BMP7, Ser293-His431, was produced in CHO cell under cGMP guidelines.
Species	Human
Source	CHO
ProteinLength	293-431 a.a.
Form	Lyophilized from a 0.2 µm filtered solution in Acetonitrile and TFA.
Bio-activity	Measured by its ability to induce alkaline phosphatase production by ATDC5 mouse chondrogenic cells. Nakamura, K. et al. (1999) Exp. Cell Res. 250:351.
Molecular Mass	Predicted Molecular Mass: 15.7 (monomer) kDa SDS-PAGE: 18-24 kDa, reducing conditions
N-terminal Sequence Analysis	Ser-Thr-Gly-Ser-Lys-Gln-Arg-Ser-Gln-Asn
Endotoxin	<0.01 EU per 1 µg of the protein by the LAL method.
Purity	>95%, by SDS-PAGE with silver staining, under reducing conditions.
Storage	Avoid repeated freeze-thaw cycles.

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12 months, -20 to -70 centigrade as supplied.
 1 month, 2 to 8 centigrade under sterile conditions after reconstitution.
 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.

Reconstitution Reconstitute at 100-200 µg/mL in sterile 4 mM HCl.

Quality Statement Our GMP proteins are produced according to relevant sections of the following documents: WHO TRS, No. 822, 1992 Annex 1, Good Manufacturing Practices for Biological Products; USP Chapter 1043, Ancillary Materials for Cell, Gene and Tissue-Engineered Products and USP Chapter 92, Growth Factors and Cytokines Used in Cell Therapy Manufacturing.

Shipping The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

GENE INFORMATION

Gene Name [BMP7 bone morphogenetic protein 7 \[Homo sapiens \]](#)

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](#)

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UniProt ID

P18075

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