

Recombinant Human BMP7 protein

Cat. No. BMP7-016H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human BMP7 protein(P18075)(293-431 aa) was expressed in E. coli.
Species	Human
Source	E. coli
ProteinLength	293-431 aa
Form	Lyophilized from a 0.2 µm filtered concentrated solution in 30 % acetonitrile, 0.1 % TFA.
Molecular Mass	Approximately 15.7 kDa, a monomeric, non-glycosylated polypeptide chain containing 139 amino acids.
AASequence	STGSKQRSQN RSKTPKNQEA LRMANVAENS SSDQRQACKK HELYVSFRDL GWQDWIIAPE GYAAYYCEGE CAFPLNSYMN ATNHAIVQTL VHFINPETVP KPCCAPTQLN AISVLYFDDS SNVILKKYRN MVVRACGCH
Endotoxin	Less than 1 EU/µg of rHuBMP-7 as determined by LAL method.
Purity	> 95 % by SDS-PAGE and HPLC analyses.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. - 12 months from date of receipt, -20 to -70 °C as supplied. - 1 month, 2 to 8 °C under sterile conditions after reconstitution. - 3 months, -20 to -70 °C under sterile conditions after

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reconstitution.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at $\leq -20^{\circ}\text{C}$. Further dilutions should be made in appropriate buffered solutions.

GENE INFORMATION

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

Official Symbol [BMP7](#)

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

Gene ID [655](#)

mRNA Refseq [NM_001719](#)

Protein Refseq [NP_001710](#)

MIM [112267](#)

UniProt ID [P18075](#)

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