

Recombinant Human BMP7 protein, His-tagged

Cat. No. BMP7-3994H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human BMP7 protein(82-431 aa), fused to His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	82-431 aa
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole.
AA Sequence	FMLDLYNAMAVEEGGGPGGQGFSYPYKAVFSTQGPPLASLQDSHFLTDADMVMSF VNLVEHDKEFFHPRYHHREFRFDLSKIPEGEAVTAAEFRIYKDYIRERFDNETFRISV YQVLQEHLGRESDFLLDSRTLWASEEGWLVDITATSNHWWVNPRHNLGLQLSVE TLDGQSINPKLAGLGRHGPQNKQPFMVAFFKATEVHFIRSIRSTGSKQRSQNRSKTP KNQEALRMANVAENSSSDQRQACKKHLYVSFRDLGWQDWIIAPEGYAAAYCEGE CAFPNLSYMNATNHAIVQTLVHFINPETVPKPCCAPTQLNAISVLYFDDSSNVILKKYR NMVVRACGCH
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer

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containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.

Reconstitution

Reconstitute at 0.25 µg/µl in 200 µl sterile water for short-term storage.
Reconstitution with 200 µl 50% glycerol solution is recommended for longer term storage.

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

UniProt ID P18075

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