

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	FMLDLYNAMAVEEGGGPGGQGFSSYPYKAVFSTQGPPLASLQDSHFLTDADMVMSF VNLVEHDKEFFHPRYHHREFRFDLSKIPEGEAVTAAEFRIYKDYIRERFDNETFRISV YQVLQEHLGRESDFLLDSRTLWASEEGWLVDITATSNHWVFNPRHNLGLQLSVE TLDGQSINPKLAGLIGRHGPQNKQPFMVAFFKATEVHFRSIRSTGSKQRSQNRSKTP KNQEALRMANVAENSSSDQRQACKKHELYVSFRDLGWQDWIIAPEGYAAAYCEGE CAFPLNSYMNATNHAIQTLVHFINPETVPKPCCAPTQLNAISVLYFDDSSNVILKKYR 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 g/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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