

Active Recombinant Human BMP7 protein

Cat. No. BMP7-27031TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human BMP7 protein(P18075)(Met316-His431) was expressed in CHO.
Species	Human
Source	CHO
ProteinLength	Met316-His431
Form	Lyophilized from a 0.22 µm-filtered solution containing 0.085% TFA, 30%ACN,5% mannitol
Bio-activity	Determined by its ability to induce alkaline phosphatase production by ATDC-5 cells. The expected ED50 for this effect is 0.02-0.04 µg/ml.
Molecular Mass	13.1 kDa (monomer)
Endotoxin	≤10 EU/mg by the LAL method
Purity	≥95%, by SDS-PAGE (under reducing (R) & Non-reducing conditions, visualized by Coomassie staining)
Storage	36 months at 20°C to -80°C in lyophilized state 6 months at -20°C to -80°C under sterile conditions after reconstitution 7-10 days at 2°C to 8°C under sterile conditions after reconstitution. Use a manual

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defrost freezer and avoid repeated freeze-thaw cycles.

Reconstitution It is recommended to redissolve in 4 mM HCl.

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
Gene ID	655
mRNA Refseq	NM_001719
Protein Refseq	NP_001710
MIM	112267
UniProt ID	P18075

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