

Recombinant Full Length Human BMP7 Protein, GST-tagged

Cat. No. BMP7-1727HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human BMP7 full-length ORF (AAH08584, 1 a.a. - 431 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	431 amino acids
Description	The bone morphogenetic proteins (BMPs) are a family of secreted signaling molecules that can induce ectopic bone growth. Many BMPs are part of the transforming growth factor-beta (TGFB) superfamily. BMPs were originally identified by an ability of demineralized bone extract to induce endochondral osteogenesis in vivo in an extraskeletal site. Based on its expression early in embryogenesis, the BMP encoded by this gene has a proposed role in early development and possible bone inductive activity.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	73.15 kDa
AA Sequence	MHVRSLRAAAPHSFVALWAPLFLRLSALADFSLDNEVHSSFIHRRLRSQERREMQR EILSILGLPHRPRPHLQGKHNSAPMFLDLYNAMAVEEGGPGGQGFSYPYKAVFS TQGPPLASLQDSHFLTADVMMSFVNLVEHDKEFFHPRYHHREFRFDLSKIPEGEA VTAAEFRIYKDYIRERFDNETFRISVYQVLQEHLGRESDFLLDSRTLWASEEGWLVF

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DITATSNHWVVNPRHNLGLQLSVETLDGQSINPKLAGLIGRHGPQNKQPFMVAFFKA
 TEVHFRSIRSTGSKQRSQNRSKTPKNQEALRMANVAENSSSDQRQACKKHELYVS
 FRDLGWQDWIIAPEGYAAYYCEGECAPFLNSYMNATNHAIVQTLVHFINPETVPKPC
 CAPTQLNAISVLYFDDSSNVILKKYRNMVVRACGCH

Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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