

Recombinant Human BMP7 Protein, GST-tagged

Cat. No. BMP7-274H Lot. No. (See product label)

SPECIFICATION

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|-------------------------|--|
| 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 | Wheat Germ |
| 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 extraskelatal 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 | MHVRSLRAAAPHSFVALWAPLFLLRSAADFSLDNEVHSSFIHRRRLRSQERREMQR EILSILGLPHRPRPHLQGKHNSAPMFMFLDLYNAMAVEEGGGPGGQGFSSYPYKAVFS TQGPPLASLQDSHFLTADDMVMSFVNLVEHDKEFFHPRYHHREFRFDLSKIPEGEA VTAAEFRIYKDYIRERFDNETFRISVYQVLQEHLGRESDFLLDSRTLWASEEGWLVF DITATSNHWVFNPRHNLGLQLSVETLDGQSINPKLAGLIGRHGPQNKQPFMVAFFKA TEVHFRSIRSTGSKQRSQNRSKTPKNQEALRMANVAENSSSDQRQACKKHELYVS |

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FRDLGWQDWIIAPEGYAAYYCEGECAPFLNSYMNATNHAIVQTLVHFINPETVPKPC
CAPTQLNAISVLYFDDSSNVILKKYRNMVVRACGCH

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|-----------------------|--|
| 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. |

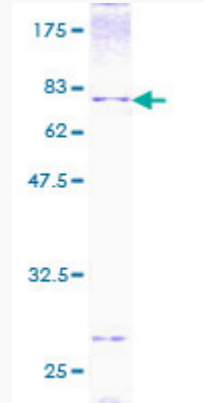
GENE INFORMATION

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|------------------------|--|
| 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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