

# Recombinant Full Length Human BMP3 Protein, GST-tagged

**Cat. No.** BMP3-1724HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
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| <b>Product Overview</b> | Human BMP3 full-length ORF ( AAI17515.1, 1 a.a. - 472 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>ProteinLength</b>    | 472 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Description</b>      | BMP3 belongs to the transforming growth factor-beta (TGFB) superfamily. Bone morphogenic protein, also known as osteogenin, induces bone formation.                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Form</b>             | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Molecular Mass</b>   | 79.8 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>AA Sequence</b>      | <p>MAGASRLLFLWLGCFCVSLAQGERPKPPFPELRKAVPGDRTAGGGPDSELQPQDK<br/> VSEHMLRLYDRYSTVQAARTPGSLEGGSQPWRPRLREGNTVRSFRAAAAETLER<br/> KGLYIFNLTSLTSENILSATLYFCIGELGNISLSCPVSGGCSHHAQRKHIQIDLSAWTL<br/> KFSRNQSQLLGHLSVDMAKSHRDIMSWLSKDITQFLRKAKENEEFLIGFNITSKGRQ<br/> LPKRRLPFPEPYILVYANDAAISEPESVSVSSLQGHRNFPTGTVPKWDSHIRAALSIER<br/> RKKRSTGVLLPLQNNELPGAQYQYKKDEVWEERKPYKTLQAQAPEKSKNKKKQQRK<br/> GPHRKSQTLQFDEQTLKKARRKQWIEPRNCARRYLKVDFADIGWSEWIISPKSFD<br/> YYCSGACQFPMPKSLKPSNHATIQSIVRAVGVVPGIPEPCCVPEKMSSLSILFFDENK<br/> NVVLKVYPNMTVESCACR</p> |

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

## GENE INFORMATION

|                        |                                                                                                                                                                       |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | BMP3 bone morphogenetic protein 3 [ Homo sapiens ]                                                                                                                    |
| <b>Official Symbol</b> | BMP3                                                                                                                                                                  |
| <b>Synonyms</b>        | BMP3; bone morphogenetic protein 3; bone morphogenetic protein 3 (osteogenic); osteogenin; BMP-3; bone morphogenetic protein-3; bone morphogenetic protein 3A; BMP-3A |
| <b>Gene ID</b>         | 651                                                                                                                                                                   |
| <b>mRNA Refseq</b>     | NM_001201                                                                                                                                                             |
| <b>Protein Refseq</b>  | NP_001192                                                                                                                                                             |
| <b>MIM</b>             | 112263                                                                                                                                                                |
| <b>UniProt ID</b>      | P12645                                                                                                                                                                |

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