

## Recombinant Human BMP3 protein, His-tagged

**Cat. No.** BMP3-2597H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                       |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human BMP3 protein(P12645)(363-472aa), fused to N-terminal His tag, was expressed in E. coli.                                                                                                                             |
| <b>Species</b>          | Human                                                                                                                                                                                                                                 |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                |
| <b>ProteinLength</b>    | 363-472aa                                                                                                                                                                                                                             |
| <b>Form</b>             | If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol.<br>If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0. |
| <b>Molecular Mass</b>   | 16.4 kDa                                                                                                                                                                                                                              |
| <b>AA Sequence</b>      | QWIEPRNCARRYLKVDFA DIGWSEWIISPKSFDAYYCSGACQFPMPKSLKPSNHATI<br>QSIVRAVGWVPGIPEPCCVPEKMSSLSILFFDENKNVVLKVYPNMTVESCACR                                                                                                                   |
| <b>Purity</b>           | Greater than 90% as determined by SDS-PAGE.                                                                                                                                                                                           |
| <b>Storage</b>          | Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.                                                                                                                        |
| <b>Reconstitution</b>   | Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0                                                                                                                                                  |

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mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%.

## GENE INFORMATION

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

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