

## Recombinant Human BMP5 protein, hFc-tagged

**Cat. No.** BMP5-05H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                           |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human BMP5 protein(Gln 324-His 454)(NP_066551.1) was expressed in HEK293 with the fused Fc region of human IgG1 at the N-terminus.                                                                                                                                                                            |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                     |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                    |
| <b>ProteinLength</b>    | 324-454 aa                                                                                                                                                                                                                                                                                                                |
| <b>Form</b>             | Lyophilized from sterile PBS, pH 7.4.                                                                                                                                                                                                                                                                                     |
| <b>Molecular Mass</b>   | The recombinant human Fc/BMP5 is a disulfide-linked homodimeric protein. The reduced monomer consists of 367 amino acids and has a predicted molecular mass of 41.5 kDa. As a result of glycosylation, the apparent molecular mass of rhFc/BMP5 monomer is approximately 50-55 kDa in SDS-PAGE under reducing conditions. |
| <b>Endotoxin</b>        | < 1 EU/g as determined by LAL test.                                                                                                                                                                                                                                                                                       |
| <b>Purity</b>           | > 95 % as determined by SDS-PAGE and SEC-HPLC Analysis.                                                                                                                                                                                                                                                                   |
| <b>Storage</b>          | Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.                                                                                                                                      |
| <b>Reconstitution</b>   | It is recommended that sterile water be added to the vial to prepare a stock solution of                                                                                                                                                                                                                                  |

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0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

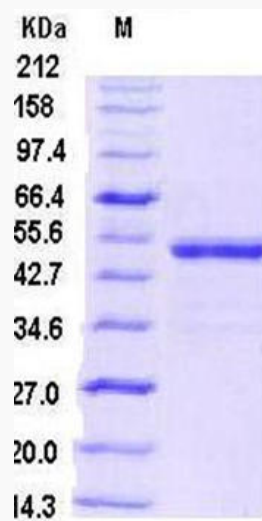
|                 |                                                      |
|-----------------|------------------------------------------------------|
| Gene Name       | BMP5 bone morphogenetic protein 5 [ Homo sapiens ]   |
| Official Symbol | BMP5                                                 |
| Synonyms        | BMP5; bone morphogenetic protein 5; BMP-5; MGC34244; |
| Gene ID         | 653                                                  |
| mRNA Refseq     | NM_021073                                            |
| Protein Refseq  | NP_066551                                            |
| MIM             | 112265                                               |
| UniProt ID      | P22003                                               |

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SDS-PAGE



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