

# Bone morphogenetic protein 8B (Bmp8b) Recombinant Protein | Bmp8b recombinant protein

Recombinant Mouse Bone morphogenetic protein 8B (Bmp8b)

|                               |                                                                 |
|-------------------------------|-----------------------------------------------------------------|
| CATALOG #<br><b>AAA113772</b> | HOST<br><b>E Coli or Yeast or Baculovirus or Mammalian Cell</b> |
|-------------------------------|-----------------------------------------------------------------|

## PRODUCT SYNONYMS

Bone morphogenetic protein 8B (Bmp8b); Recombinant Mouse Bone morphogenetic protein 8B (Bmp8b); Bmp8b recombinant protein

## PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                     |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                    | E Coli or Yeast or Baculovirus or Mammalian Cell                                                                                                                                                    |
| Purity/Purification     | Greater or equal to 85% purity as determined by SDS-PAGE.                                                                                                                                           |
| Form/Format             | Lyophilized or liquid (Format to be determined during the manufacturing process)                                                                                                                    |
| Sequence Positions      | 261-399. Full length of the mature protein.                                                                                                                                                         |
| Sequence                | TARPLKKKQL NQINQLPHSN KHLGILDDGH GSHGREVCRR HELYVSFRDL GWLDSVIAPQ GYSAYYCAGE<br>CIYPLNSCMN STNHATMQAL VHLMKPDIIP KVCCVPTELS AISLLYYDRN NNVILRRERN MVVQACGCH                                         |
| Sequence Length         | 399                                                                                                                                                                                                 |
| Species                 | Mouse                                                                                                                                                                                               |
| Preparation and Storage | Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended. |

## ADDITIONAL INFORMATION

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| Related Product Information for Bmp8b recombinant protein | 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. In addition, the fact that this BMP is closely related to BMP5 and BMP7 has led to speculation of possible bone inductive activity. |
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## NCBI AND UNIPROT INFORMATION

|                                  |                                                 |
|----------------------------------|-------------------------------------------------|
| NCBI GI #                        | <a href="#">31560733</a>                        |
| NCBI GeneID                      | <a href="#">12164</a>                           |
| NCBI Accession #                 | <a href="#">NP_031585.2</a>                     |
| NCBI GenBank Nucleotide #        | <a href="#">NM_007559.5</a>                     |
| UniProt Accession #              | <a href="#">P55105</a> ; <a href="#">Q8BNM2</a> |
| Molecular Weight                 | 28.7 kDa                                        |
| NCBI Official Full Name          | bone morphogenetic protein 8B preproprotein     |
| NCBI Official Synonym Full Names | bone morphogenetic protein 8b                   |
| NCBI Official Symbol             | Bmp8b                                           |

|                               |                               |
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| NCBI Official Synonym Symbols | Op3                           |
| NCBI Protein Information      | bone morphogenetic protein 8B |
| UniProt Protein Name          | Bone morphogenetic protein 8B |
| UniProt Gene Name             | <b>Bmp8b</b>                  |
| UniProt Synonym Gene Names    | BMP-8B                        |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/bmp8b-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/113772>