

## Active Recombinant Zebrafish bmp4

**Cat. No.** bmp4-809Z    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Zebrafish bmp4 (Accession # NP_571417) Ser288-Arg400, fused with an N-terminal Met, was produced in E. coli.
<b>Species</b>	Zebrafish
<b>Source</b>	E.coli
<b>ProteinLength</b>	Ser288-Arg400
<b>Predicted N Terminal</b>	Met
<b>Form</b>	Lyophilized from a 0.2 µ filtered solution in Acetonitrile and TFA with BSA as a carrier protein.
<b>Bio-activity</b>	Measured by its ability to induce alkaline phosphatase production by ATDC5 mouse chondrogenic cells. Nakamura, K. et al. (1999) Exp. Cell Res. 250:351. The ED50 for this effect is typically 0.2-1 µg/mL.
<b>Molecular Mass</b>	Recombinant Zebrafish bmp4, Met-tagged has a calculated MW of 12.9 kDa (monomer).
<b>Purity</b>	>97%, by SDS-PAGE under reducing conditions and visualized by silver stain.
<b>Storage</b>	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3

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months (-70°C).

## GENE INFORMATION

**Gene Name** [bmp4 bone morphogenetic protein 4 \[ Danio rerio \(zebrafish\) \]](#)

**Official Symbol** [bmp4](#)

**Synonyms** [bmp-4](#); [zbmp-4](#); [zgc:100779](#); [bone morphogenetic protein 4](#); [bone morphogenetic protein 4](#); [etID309887.17](#)

**Gene ID** [30612](#)

**mRNA Refseq** [NM\\_131342.2](#)

**Protein Refseq** [NP\\_571417.1](#)

### MIM

**Chromosome Location** [chromosome: 17](#)

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