

Active Recombinant Zebrafish bmp4

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

SPECIFICATION

Product Overview	Recombinant Zebrafish bmp4 (Accession # NP_571417) Ser288-Arg400, fused with an N-terminal Met, was produced in E. coli.
Species	Zebrafish
Source	E.coli
ProteinLength	Ser288-Arg400
Predicted N Terminal	Met
Form	Lyophilized from a 0.2 µ filtered solution in Acetonitrile and TFA with BSA as a carrier protein.
Bio-activity	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.
Molecular Mass	Recombinant Zebrafish bmp4, Met-tagged has a calculated MW of 12.9 kDa (monomer).
Purity	>97%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	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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