

Active Recombinant Zebrafish bmp2a, Met-tagged

Cat. No. bmp2a-366Z **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Zebrafish bmp2a (Accession # AAI63048.1) Gln272-Arg386, fused with an N-terminal Met, was produced in E. coli-derived.
Species	Zebrafish
Source	E.coli
ProteinLength	272-386 a.a.
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 100-400 ng/mL.
Molecular Mass	Recombinant Zebrafish bmp2a, Met-tagged has a calculated MW of 13 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).

Reconstitution

Reconstitute at 100 µg/mL in sterile 4 mM HCl containing at least 0.1% human or bovine serum albumin.

GENE INFORMATION

Gene Name [bmp2a bone morphogenetic protein 2a \[Danio rerio \(zebrafish\) \]](#)

Official Symbol [bmp2a](#)

Synonyms [bmp2a](#); bone morphogenetic protein 2a; [bmp2](#); [wu:fc59d09](#)

Gene ID [30631](#)

mRNA Refseq [NM_131359](#)

Protein Refseq [NP_571434](#)

MIM

Chromosome Location 17

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