

Recombinant Zebrafish bmp2a Protein, His-tagged

Cat. No. bmp2a-320Z **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Zebrafish bmp2a Protein (Ala96-Arg386) with N-His tag was expressed in E. coli.
Species	Zebrafish
Source	E.coli
ProteinLength	Ala96-Arg386
Description	Predicted to enable BMP receptor binding activity and cytokine activity. Acts upstream of or within exocrine pancreas development and positive regulation of BMP signaling pathway. Predicted to be located in extracellular region. Predicted to be active in extracellular space. Is expressed in several structures, including digestive system; fin; fin bud; mesoderm; and visual system. Human ortholog(s) of this gene implicated in bone disease (multiple); hemochromatosis type 1; otosclerosis; prostate cancer; and tooth agenesis. Orthologous to human BMP2 (bone morphogenetic protein 2).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 36.9 kDa Accurate Molecular Mass: 37 kDa
Purity	> 80%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1 mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	bmp2a bone morphogenetic protein 2a [Danio rerio (zebrafish)]
Official Symbol	bmp2a
Synonyms	bmp2a; bone morphogenetic protein 2a; bmp2; wu:fc59d09; bone morphogenetic protein 2
Gene ID	30631
mRNA Refseq	NM_131359
Protein Refseq	NP_571434
UniProt ID	O13109

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