

Danio rerio (zebrafish) BMP-2 (zebrafish) recombinant protein



Catalog Number: 501221

General Information

Gene Name Synonym

Uncharacterized protein

Protein Construction

A DNA sequence encoding the zebrafish BMP2A (B3DI86) (Gln272-Arg386) was expressed and purified with an initial Met.

Organism

Danio rerio (zebrafish)

Expression Host

E. coli

QC Testing

Activity

Measured by its ability to induce alkaline phosphatase production by ATDC5 mouse chondrogenic cells.
The ED₅₀ for this effect is typically 0.5-3 µg/mL.

Purity

> 95 % as determined by SDS-PAGE

Endotoxin

Please contact us for more information.

Stability

Samples are stable for up to twelve months from date of receipt at -70°C

Predicted N terminal

Met

Molecular Mass

The recombinant zebrafish BMP2A consists of 116 amino acids and has a calculated molecular mass of 13.2 kDa. It migrates as an 13 KDa band in SDS-PAGE under reducing conditions.

Formulation

Lyophilized from sterile 30mM HAC, pH 3.0.
1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

Usage Guide

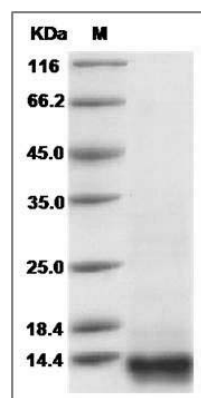
Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE



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SDS-PAGE