

Recombinant Mouse Bone Morphogenetic Protein 4 (Bmp4), N-His

Cat. No.: AP4C32

Product Type: Animal Proteins

Size: 10 µg; 50 µg; 200 µg; 1 mg; 5 mg

Product Overview

BioVenic's Recombinant Mouse Bone Morphogenetic Protein 4 (Bmp4), N-His is a recombinant protein expressed from *E.coli*. Its predicted molecular weight is 22.3 kDa. The purity is >90%.

Specifications

Type	Recombinant Protein
Species	Mouse
Expression System	<i>E.coli</i>
Purity	>90%
Endotoxin	< 1.0 EU/µg
Predicted Molecular Weight	22.3 kDa
Physical State	Lyophilized
Formulation	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.

Target Information

Mouse Bone Morphogenetic Protein 4 (Bmp4) is a bone morphogenetic protein involved in embryonic development and tissue homeostasis maintenance by activating Smad signaling in mice. Bmp4 is expressed in various mouse tissues, and its roles in stem cell differentiation and tissue regeneration are under investigation.

Protein	Mouse Bone Morphogenetic Protein 4 (Bmp4)
Protein Synonym	BMP-4; Bone morphogenetic protein 2B
Gene ID	12159
EC No.	P21275

Shipping and Storage

This product is shipped with ice packs. Lyophilized protein can be stored at -80°C for 1 year. After reconstitution, the protein solution can be stored at 2-8°C for 2-7 days.

User Note

Always centrifuge tubes before opening. Avoid mixing by vortexing or pipetting. Reconstitute in 100 mM NaHCO₃, 500 mM NaCl (pH 8.3) to a concentration of 0.1-1.0 mg/mL. Aliquot the reconstituted solution to minimize freeze-thaw cycles.

The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.