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Recombinant Swine Bone Morphogenetic Protein 7 (BMP7)

Cat. No.: AP9C74

Product Type: Animal Proteins

Size: 20 μg; 100 μg; 1 mg

Product Overview

BioVenic's Recombinant Swine Bone Morphogenetic Protein 7 (BMP7) is a recombinant protein expressed from *E.coli*. Its predicte d molecular weight is 49.2 kDa. The purity is>85% (SDS-PAGE).

Specifications

Type	Recombinant Protein
Species	Swine
Expression System	*E.coli*
Purity	>85% (SDS-PAGE)
Predicted Molecular Weight	49.2 kDa
Physical State	Lyophilized
Formulation	The buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose.

Target Information

Swine bone morphogenetic protein 7 (BMP7), also known as Osteogenic Protein 1, is a member of the TGF-β superfamily. It is inst rumental in bone formation, repair, and maintenance. BMP7 promotes osteoblast activity and bone matrix production, which is vital for skeletal development. In swine, it can be applied in research to improve bone health and might be a genetic selection target for enhancing skeletal traits in breeding programs.

Protein	Swine Bone Morphogenetic Protein 7 (BMP7)
Gene ID	492315
UniProt ID	A5GFN2

Shipping and Storage

This product is shipped with dry ice. It is recommended to aliquote as needed and store at -80°C upon receipt. Reconstituted protei n solution can be stored at 4°C for 1 week, at < -80°C for 12 months. Avoid repeated freezing and thawing.

User Note

Always centrifuge tubes before opening. Avoid mixing by vortexing or pipetting. Reconstitute in sterile distilled water to a concentrat ion of 0.1-1.0 mg/mL.Aliquote the reconstituted solution to minimise 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.