

Recombinant Sheep Bone Morphogenetic Protein 6 (BMP6)

Cat. No.: AP9C714

Product Type: Animal Proteins

Size: 20 µg; 100 µg; 1 mg

Product Overview

BioVenic's Recombinant Sheep Bone Morphogenetic Protein 6 (BMP6) is a recombinant protein expressed from *E.coli*. Its predicted molecular weight is 11.3 kDa. The purity is >85% (SDS-PAGE).

Specifications

Type	Recombinant Protein
Species	Sheep
Expression System	<i>E.coli</i>
Purity	>85% (SDS-PAGE)
Predicted Molecular Weight	11.3 kDa
Physical State	Lyophilized
Formulation	The buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose.

Target Information

Sheep bone morphogenetic protein 6 (BMP-6), also referred to as Bone Morphogenetic Protein-Glabran, is a multifunctional cytokine that is part of the transforming growth factor-beta (TGF-β) superfamily. BMP-6 in sheep is vital for bone and cartilage development, as well as for the regulation of various cellular processes including proliferation, differentiation, and apoptosis. It is instrumental in the skeletogenesis of sheep species, influencing the balance between bone formation and resorption, and is also implicated in the healing of bone fractures and the treatment of bone-related disorders in sheep.

Protein	Sheep Bone Morphogenetic Protein 6 (BMP6)
Gene ID	443174
UniProt ID	Q8MJC1

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 protein solution can be stored at 4°C for 1 week, at $< -80^{\circ}\text{C}$ 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 concentration of 0.1-1.0 mg/mL. Aliquote 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.