

Recombinant Canine Bone Morphogenetic Protein 2 (BMP2)

Cat. No.: AP2F253

Product Type: Animal Proteins

Size: 10 µg

Product Overview

BioVenic's Recombinant Canine Bone Morphogenetic Protein 2 (BMP2) is a recombinant protein expressed from E. coli expression system. Its predicted molecular weight is 15 kDa. The purity is greater than 95% (SDS-PAGE). The endotoxin level is <0.01 EU/µg (LAL).

Specifications

Type	Recombinant Protein
Species	Canine
Expression System	E.coli Expression System
Purity	>95% (SDS-PAGE)
Endotoxin	<0.01 EU/µg (LAL)
Predicted Molecular Weight	15 kDa
Molecular Weight	13 kDa (reducing conditions)
Physical State	Lyophilized

Target Information

Bone Morphogenetic Protein-2 (BMP-2) is a bone-growth regulatory factor that belongs to the transforming growth factor-beta (TG F-beta) superfamily of proteins. BMPs are synthesized as large precursor molecules and are cleaved by proteolytic enzymes. Bone morphogenetic protein 2 is encoded by the *BMP2* gene in dogs. The solubility of native BMP-2 is greatly dependent on its glycosylation.

Protein	Canine Bone Morphogenetic Protein 2 (BMP2)
Protein Synonym	Bone Morphogenetic Protein 2; BMP-2; Bone Morphogenetic Protein 2A; BMP-2A; BMP2; BMP2A
Gene ID	477162
UniProt ID	A0A8I3PXE9

Shipping and Storage

This product is shipped with dry ice. It is recommended to aliquote as needed and store at -20°C upon receipt. Reconstituted protein solution can be stored at 4°C for 1 week, at < -20°C for 3 months.

User Note

Always centrifuge tubes before opening. Dissolve the lyophilized protein in 50 mM Acetic Acid. Avoid mixing by vortexing or pipetting. It is not recommended to reconstitute to a concentration < 100 µg/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.