

Recombinant Chicken Metalloendopeptidase (BMP1)

Cat. No.: AP9C611

Product Type: Animal Proteins

Size: 20 µg; 100 µg; 1 mg

Product Overview

BioVenic's Recombinant Chicken Metalloendopeptidase (BMP1) is a recombinant protein expressed from *E.coli*. Its predicted molecular weight is 77.8 kDa. The purity is >85% (SDS-PAGE).

Specifications

Type	Recombinant Protein
Species	Chicken
Expression System	<i>E.coli</i>
Purity	>85% (SDS-PAGE)
Predicted Molecular Weight	77.8 kDa
Physical State	Lyophilized
Formulation	The buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose.

Target Information

Chicken metalloendopeptidase is an enzyme found in chickens that belongs to the family of metallopeptidases. It plays a key role in protein digestion by breaking down peptide bonds within the protein structure. In poultry nutrition, it can be used to enhance feed utilization and improve growth performance. Additionally, it has potential applications in the meat processing industry to tenderize meat.

Protein	Chicken Metalloendopeptidase (BMP1)
Gene ID	423176
UniProt ID	Q57658

Shipping and Storage

This product is shipped with dry ice. It is recommended to aliquot as needed and store at -80°C upon receipt. Reconstituted protein 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 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Aliquot the reconstituted solution to minimise freeze-thaw cycles.

Reference

Packialakshmi, B. *et al.* Isolation and characterization of chicken bile matrix metalloproteinase. *Poultry science I.* 2014. 93,6: 1495-502.

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.