

Recombinant Canine Anionic Trypsin, N-His-SUMO

Cat. No.: AP9C576

Product Type: Animal Proteins

Size: 20 µg; 100 µg; 1 mg

Product Overview

BioVenic's Recombinant Canine Anionic Trypsin, N-His-SUMO is a recombinant protein expressed from *E. coli*. Its predicted molecular weight is 40.0 kDa. The purity is >90% (SDS-PAGE).

Specifications

Type	Recombinant Protein
Species	Canine
Expression System	<i>E. coli</i>
Purity	>90% (SDS-PAGE)
Predicted Molecular Weight	40.0 kDa
Physical State	Lyophilized
Formulation	The buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose.

Target Information

Canine anionic trypsin is a serine protease enzyme that is primarily found in the pancreatic juice of dogs. This protein plays a crucial role in the digestive process by breaking down proteins into smaller peptides and amino acids. It is involved in the activation of other pancreatic enzymes and is an important marker for pancreatic diseases such as pancreatitis in dogs. The anionic form of trypsin is characterized by its negative charge at physiological pH and is distinguished from the cationic form, which has a positive charge. Anionic trypsin is also significant in veterinary medicine for the diagnosis and management of exocrine pancreatic insufficiency (EPI) in dogs.

Protein	Canine Anionic Trypsin
UniProt ID	P06872

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.

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.