

Recombinant Mouse Chymotrypsin-C (Ctrc), N-His

Cat. No.: AP4C770

Product Type: Animal Proteins

Size: 10 µg; 50 µg; 200 µg; 1 mg; 5 mg

Product Overview

BioVenic's Recombinant Mouse Chymotrypsin-C (Ctrc), N-His is a recombinant protein expressed from *E.coli*. Its predicted molecular weight is 30.3 kDa. The purity is > 97%.

Specifications

Type	Recombinant Protein
Species	Mouse
Expression System	<i>E.coli</i>
Purity	> 97%
Endotoxin	<1.0 EU per 1µg (determined by the LAL method)
Predicted Molecular Weight	30.3 kDa
Physical State	Lyophilized
Formulation	PBS, pH7.4, containing 0.01% SKL, 5% Trehalose.

Target Information

Mouse Chymotrypsin-C (Ctrc) is a serine protease that plays a crucial role in the digestive process by breaking down proteins into smaller peptides. It is synthesized in the pancreas and secreted into the small intestine, where it cleaves peptide bonds at aromatic and large hydrophobic amino acids. Ctrc is essential for the efficient digestion and absorption of dietary proteins. Abnormal expression or function of Ctrc can lead to digestive disorders and malnutrition. Additionally, Ctrc has been implicated in the regulation of immune responses and inflammation, with its activity being modulated by various cytokines and growth factors.

Protein	Mouse Chymotrypsin-C (Ctrc)
Protein Synonym	Ctrc
Gene ID	76701
EC No.	Q3SYP2

Shipping and Storage

This product is shipped with ice packs. Lyophilized protein can be stored at -80°C for 1 year. After reconstitution, the protein solution can be stored at 2-8°C for 2-7 days.

User Note

Always centrifuge tubes before opening. Avoid mixing by vortexing or pipetting. Reconstitute in 10 mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Aliquot 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.