

Recombinant Mouse Renin-1 (Ren1), C-His

Cat. No.: AP2C851

Product Type: Animal Proteins

Size: 10 µg; 50 µg; 500 µg; 1 mg

Product Overview

BioVenic's Recombinant Mouse Renin-1 (Ren1), C-His is a recombinant protein expressed from Human Cells. Its predicted molecular weight is 44.3 kDa. The purity is >90%.

Specifications

Type	Recombinant Protein
Species	Mouse
Expression System	Human Cells
Purity	>90%
Endotoxin	< 1.0 EU/µg
Predicted Molecular Weight	44.3 kDa
Physical State	Lyophilized
Formulation	0.01 mol/L PBS (pH 7.2) containing 0.2% (w/v) Procline-300.

Target Information

Mouse Renin-1 (Ren1) is an enzyme involved in the renin-angiotensin system, which regulates blood pressure and fluid balance. Ren1 catalyzes the conversion of angiotensinogen to angiotensin I, initiating a cascade that affects vascular tone and sodium retention. Ren1 is a target for therapies aimed at modulating blood pressure and treating hypertension and related cardiovascular diseases.

Protein	Mouse Renin-1 (Ren1)
Protein Synonym	Angiotensinogenase; Kidney renin
Gene ID	19701
UniProt ID	P06281

Shipping and Storage

This product is shipped with ice packs. Lyophilized protein can be stored at -20°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. 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.