

Recombinant Mouse Alpha-actinin-2 (Actn2), N-His

Cat. No.: AP4C200

Product Type: Animal Proteins

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

Product Overview

BioVenic's Recombinant Mouse Alpha-actinin-2 (Actn2), N-His is a recombinant protein expressed from *E.coli*. Its predicted molecular weight is 31.0 kDa. The purity is >97%.

Specifications

Type	Recombinant Protein
Species	Mouse
Expression System	<i>E.coli</i>
Purity	>97%
Endotoxin	< 1.0 EU/µg
Predicted Molecular Weight	31.0 kDa
Physical State	Lyophilized
Formulation	PBS, pH7.4, containing 0.01% SKL, 5% Trehalose.

Target Information

Mouse Alpha-actinin-2 (Actn2) is a cytoskeletal protein involved in cell structure and muscle contraction. In mice, it plays a role in the organization of actin filaments and the maintenance of cellular integrity. Dysregulation of Actn2 is associated with muscular dystrophies and cardiac disorders.

Protein	Mouse Alpha-actinin-2 (Actn2)
Protein Synonym	Alpha-actinin skeletal muscle isoform 2; F-actin cross-linking protein
Gene ID	11472
EC No.	Q9JI91

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.