

Datasheet for ABIN935139 **alpha Actinin Protein**



[Go to Product page](#)

Overview

Quantity: 250 µg

Target: alpha Actinin (ACTN)

Origin: Chicken

Source: Chicken

Protein Type: Native

Product Details

Characteristics: Purified native Chicken alpha Actinin protein
Protein Source: Chicken gizzard

Purity: > 95 % pure

Target Details

Target: alpha Actinin (ACTN)

Alternative Name: alpha Actinin ([ACTN Products](#))

Background: Alpha actinin is an actin-binding protein with multiple roles in different cell types. In nonmuscle cells, the cytoskeletal isoform is found along microfilament bundles and adherens-type junctions, where it is involved in binding actin to the membrane. In contrast, skeletal, cardiac, and smooth muscle isoforms are localized to the Z-disc and analogous dense bodies, where they help anchor the myofibrillar actin filaments.

Description: Chicken gizzard.

Alternative Names: alpha Actinin 1 protein, ACTN1 protein, FLJ40884 protein

Molecular Weight: 95 kDa

Target Details

Pathways: [Cell-Cell Junction Organization, Negative Regulation of Transporter Activity](#)

Application Details

Application Notes: Each Investigator should determine their own optimal working dilution for specific applications.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Concentration: 1 mg/mL

Buffer: Supplied in lyophilized form with 10 mM Tris/HCl buffer pH 8.0, 0.2 mM CaCl₂, 0.2 mM ATP, 1 mM DTT, 0.5 % (w/v) SDS.

Preservative: Dithiothreitol (DTT)

Precaution of Use: This product contains Dithiothreitol: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Handling Advice: Avoid repeated freeze/thaw cycles.

Storage: 4 °C/-20 °C

Storage Comment: Store at 2-8 °C in lyophilized form. Following reconstitution aliquot and store at -20 °C for long term storage.