

Datasheet for ABIN7505019

## **alpha Actinin 4 Protein (AA 1-300) (His tag)**



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### Overview

Quantity:	100 µg
Target:	alpha Actinin 4 (ACTN4)
Protein Characteristics:	AA 1-300
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This alpha Actinin 4 protein is labelled with His tag.

### Product Details

Sequence:	Met1-Lys300
Characteristics:	A DNA sequence encoding the Human ACTN4 protein (O43707-1) (Met1-Lys300) was expressed with a N-His.
Purity:	> 90 % as determined by reducing SDS-PAGE.

### Target Details

Target:	alpha Actinin 4 (ACTN4)
Alternative Name:	ACTN4 ( <a href="#">ACTN4 Products</a> )
Background:	Abbreviation: ACTN4 Target Synonym: Non-muscle alpha-actinin 4 Background: F-actin cross-linking protein which is thought to anchor actin to a variety of intracellular structures. This is a bundling protein (Probable). Probably involved in vesicular

## Target Details

trafficking via its association with the CART complex. The CART complex is necessary for efficient transferrin receptor recycling but not for EGFR degradation. Involved in tight junction assembly in epithelial cells probably through interaction with MICALL2. Links MICALL2 to the actin cytoskeleton and recruits it to the tight junctions. May also function as a transcriptional coactivator, stimulating transcription mediated by the nuclear hormone receptors PPARG and RARA.

Molecular Weight: Calculated MW: 34 kDa  
Observed MW: 38 kDa

UniProt: [O43707-1](#)

Pathways: [Proton Transport](#)

## Application Details

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Buffer: Lyophilized from sterile PBS, pH 7.4.  
Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization.

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Expiry Date: 12 months