abcam

Product datasheet

Recombinant Human Cofilin protein ab95396

1 Image

Description

Product name	Recombinant Human Cofilin protein
Purity	> 90 % SDS-PAGE. ab95396 is >90% pure as assessed by SDS-PAGE.
Expression system	Escherichia coli
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Amino acids	2 to 166

Specifications

Our **Abpromise guarantee** covers the use of **ab95396** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE Functional Studies Western blot
Form	Liquid

Preparation and Storage

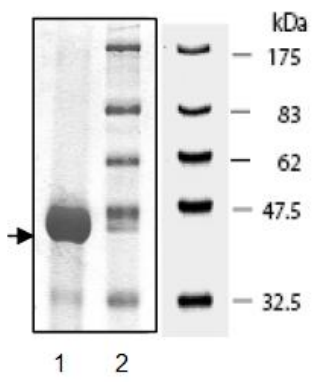
Stability and Storage	Shipped on Dry Ice. Upon delivery aliquot. Store at -80°C. Avoid freeze / thaw cycle. pH: 8.00 Constituents: 0.0462% DTT, 0.395% Tris HCl, 0.05% Tween, 30% Glycerol, 0.58% Sodium chloride

General Info

Function	Controls reversibly actin polymerization and depolymerization in a pH-sensitive manner. It has the ability to bind G- and F-actin in a 1:1 ratio of cofilin to actin. It is the major component of

	intranuclear and cytoplasmic actin rods.
Tissue specificity	Widely distributed in various tissues.
Sequence similarities	Belongs to the actin-binding proteins ADF family. Contains 1 ADF-H domain.
Post-translational modifications	Phosphorylated on Ser-3 in resting cells.
Cellular localization	Nucleus matrix. Cytoplasm > cytoskeleton. Almost completely in nucleus in cells exposed to heat shock or 10% dimethyl sulfoxide.

Images



SDS-PAGE - Recombinant Human Cofilin protein (ab95396)

ab95396 being analysed by 10% SDS-PAGE. Detection utilised Coomassie blue staining.

Lane 1; 5 µg ab95396.

Lane 2; Protein markers.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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