

# Recombinant human Fascin protein

Catalog Number: ATGP0662

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-493aa

### UniProt No.

Q16658

### NCBI Accession No.

NP\_003079

### Alternative Names

Fascin, FAN1, HSN, SNL, Fascin

## PRODUCT SPECIFICATION

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### Molecular Weight

56.7 kDa (513aa)

### Concentration

1mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 2mM DTT, 100mM NaCl

### Purity

> 95% by SDS-PAGE

### Tag

His-Tag

### Application

SDS-PAGE

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### Description

FSCN1 is an actin-bundling protein that provides rigidity to filopodial bundles to efficiently push the membrane forward during cytoskeleton remodeling and cell migration. Probably involved in the assembly of actin filament bundles present in microspikes, membrane ruffles, and stress fibers. And this protein is absent from most normal epithelia yet is upregulated in multiple forms of human carcinoma, where its expression correlates clinically with a poor prognosis. FSCN1 expression has been localized to neurons, glial cells, and endothelial cells. Recombinant human FSCN1 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using

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conventional chromatography techniques.

## Amino acid Sequence

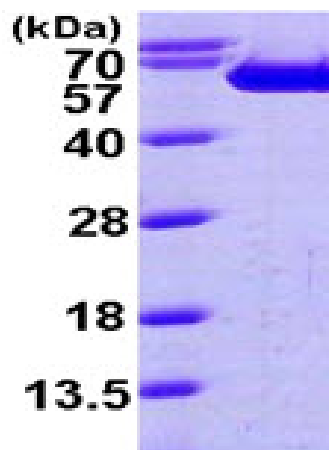
MGSSHHHHHH SSSLVPRGSH MTANGTAEAV QIQFGLINCG NKYLTAEEFG FKVNASASSL KKKQIWTLEQ PPDEAGSAAV  
CLRSHLGRYL AADKDGNTVC EREVPGPDCR FLIVAHDDGR WSLQSEAHRR YFGGTEDRLS CFAQTVSPA E KWSVHIAMHP  
QVNIYSVTRK RYAHLSARPA DEIAVDRDVP WGVDSLITLA FQDQRYSVQT ADHRFLRHDG RLVARPEPAT GYTLFRSGK  
VAFRDCEGRY LAPSGPSGTL KAGKATKVGK DELFALEQSC AQVVLQAANE RNVSTRQGMD LSAHQDEETD QETFQLEIDR  
DTKKCAFRTH TGKYWTLTAT GGVQSTASSK NASCYFDIEW RDRRITLRAS NGKFVTSKKN GQLAASVETA GDSEFLMKL  
INRPIVFRG EHGFIGCRKV TGTLDANRSS YDVFQLEFND GAYNIKDSTG KYWTVGSDSA VTSSGDTPVD FFFEFCDYNK  
VAIKVGGRYL KGDHAGVLKA SAETVDPASL WEY

## General References

Wu D, et al. (2010) Ann Oncol. 21(3):589-96  
Shin H, et al. (2009) Phys Rev Left 103(23):238102

## DATA

### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)