

Recombinant Human FSCN1, His-tagged

Cat. No. FSCN1-2757H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human FSCN1 protein, fused to His-tag at N-terminus, was expressed in <i>E.coli</i> and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
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.
Purity	> 95% by SDS – PAGE.
Sequences	MGSSHHHHHH SSGLVPRGSH MTANGTAEAV QIQFGLINCG NKYLTAEAFG FKVNASASSL KKKQIWTLQ PPDEAGSAV CLRSHLGRYL AADKDGNVTC EREVPGPDCR FLIVAHDDGR WSLQSEAHRR YFGGTEDRLS CFAQTVSPA E KWSVHIAMHP QVNIYSVTRK RYAHLSARPA DEIAVDRDVP WGVDSLITLA FQDQRYSVQT ADHRFLRHDG RLVARPEPAT GYTLEFRSGK VAFRDCEGRY LAPSGPSGTL KAGKATKVGK DELFALEQSC AQVVLQAANE RNVSTRQGMD LSAHQDEETD QETFQLEIDR DTKKCAFRTH TGKYWTLTAT GGVQSTASSK

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

NASCYFDIEW RDRRITLRAS NGKFVTSKKN GQLAASVETA GDSEFLMKL
 INRPIIVFRG EHGFICRKYV TGTLNANRSS YDVFQLEFND GAYNIKDSTG
 KYWTVGSDSA VTSSGDTPVD FFFEFCDYNK VAIKVGGRYL KGDHAGVLKA
 SAETVDPASL WEY.

Molecular Weight 56.7kDa (513aa).

Form Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol, 2mM DTT, 100mM NaCl.

Concentration 1 mg/ml (determined by Bradford assay).

Storage Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION

Gene Name [FSCN1 fascin homolog 1, actin-bundling protein \(Strongylocentrotus purpuratus\) \[Homo sapiens \]](#)

Synonyms FSCN1; fascin homolog 1, actin-bundling protein (Strongylocentrotus purpuratus); 55 kDa actin-bundling protein; Singed, drosophila, homolog-like; actin bundling protein; fascin; singed-like (fascin homolog, sea urchin); singed-like protein; FLJ38511; SNL; p55

Gene ID [6624](#)

mRNA Refseq [NM_003088](#)

Protein Refseq [NP_003079](#)

MIM [602689](#)

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UniProt ID	Q16658
Chromosome Location	7p22
Function	actin filament binding; protein binding; protein binding, bridging

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