

# Recombinant Human FSCN1, His-tagged

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

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | 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.                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Description</b>      | 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. |
| <b>Purity</b>           | > 95% by SDS – PAGE.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Sequences</b>        | MGSSHHHHHH SSGLVPRGSH MTANGTAEAV QIQFGLINCG NKYLTAEEAFG<br>FKVNASASSL KKKQIWTLQ PPDEAGSAV CLRSHLGRYL AADKDGNVTC<br>EREVPGPDCR FLIVAHDDGR WSLQSEAHRR YFGGTEDRLS CFAQTVSPA<br>E KWSVHIAMHP QVNIYSVTRK RYAHLSARPA DEIAVDRDVP WGVDSLITLA<br>FQDQRYSVQT ADHRFLRHDG RLVARPEPAT GYTLEFRSGK VAFRDCEGRY<br>LAPSGPSGTL KAGKATKVGK DELFALEQSC AQVVLQAANE RNVSTRQGMD<br>LSAHQDEETD QETFQLEIDR DTKKCAFRTH TGKYWTLTAT GGVQSTASSK                                                                                                                                                        |

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

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

NASCYFDIEW RDRRITLRAS NGKFVTSKKN GQLAASVETA GDSEFLMKL  
 INRPIIVFRG EHGFIGCRKV TGTL DANRSS YDVFQLEFND GAYNIKDSTG  
 KYWTVGSDSA VTSSGDTPVD FFFEFC DYNK 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](#)

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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

|                        |                                                                    |
|------------------------|--------------------------------------------------------------------|
| UniProt ID             | Q16658                                                             |
| Chromosome<br>Location | 7p22                                                               |
| Function               | actin filament binding; protein binding; protein binding, bridging |