

Active Recombinant Human FSCN1 Protein

Cat. No. FSCN1-872H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FSCN1 was produced in E. coli.
Species	Human
Source	E.coli
Description	This gene encodes a member of the fascin family of actin-binding proteins. Fascin proteins organize F-actin into parallel bundles, and are required for the formation of actin-based cellular protrusions. The encoded protein plays a critical role in cell migration, motility, adhesion and cellular interactions. Expression of this gene is known to be regulated by several microRNAs, and overexpression of this gene may play a role in the metastasis of multiple types of cancer by increasing cell motility. Expression of this gene is also a marker for Reed-Sternberg cells in Hodgkin's lymphoma. A pseudogene of this gene is located on the long arm of chromosome 15.
Form	150mM NaCl, 20mM Hepes pH 7.4, 1mM DTT and 5% sucrose, when reconstituted with 50μl ultrapure water to obtain a 1 mg/ml solution.
Bio-activity	Bundling activity: 2μM Atto565-Actin (Cat. #:8162-01) was incubated with Fascin at a molar ratio of 1:10 and 1:4.1 to verify bundling by fluorescence microscopy. All proteins were used as supplied, i.e. without dialysis. The actin stock solution was pre-spun 15min, 15,000xg, 4 centigrade.
Molecular Mass	55kDa

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Purity	Purity: >99% by scanning densitometry from Coomassie G-250 stained SDS-Gels. Purification notes: Fascin protein was amplified from human macrophage cDNA and expressed as a GST-tag fusion protein in E. coli. After purification by GST-Agarose and subsequent GST-tag cleavage, the pure protein was yielded by gel filtration chromatography.
Storage	Fascin is stored at –70 centigrade upon arrival will be stable in performance for at least 6 months from the date of purchase. The solubilized protein is kept on ice and should be stored at -20 centigrade in glycerol or CryoProtect. Avoid repeated freeze / thaw cycles.
Shipping	At ambient temperature. Upon delivery store at -70 centigrade.
GENE INFORMATION	
Gene Name	FSCN1 fascin homolog 1, actin-bundling protein (Strongylocentrotus purpuratus) [Homo sapiens]
Official Symbol	FSCN1
Synonyms	FSCN1; fascin homolog 1, actin-bundling protein (Strongylocentrotus purpuratus); singed (Drosophila) like (sea urchin fascin homolog like) , SNL; fascin; actin bundling protein; FLJ38511; p55; Singed; drosophila; homolog like; 55 kDa actin-bundling protein; singed-like (fascin homolog, sea urchin); HSN; SNL; FAN1; FLJ43305;
Gene ID	6624
mRNA Refseq	NM_003088
Protein Refseq	NP_003079

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MIM	602689
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UniProt ID	Q16658
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