

Recombinant Human FSCN1, His-tagged

Cat. No. FSCN1-28387TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 1-487 of Human Fascin with a N terminal His tag; Predicted MWt 54kDa:
Species	Human
Source	E.coli
ProteinLength	1-487 a.a.
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 Hodgkins lymphoma. A pseudogene of this gene is located on the long arm of chromosome 15.
Conjugation	HIS
Tissue specificity	Ubiquitous.
Form	Lyophilised:reconstitution with 136 µl aqua dest.
Storage buffer	Preservative: NoneConstituents: 0.5% Trehalose, 6M Urea, 100mM Sodium

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	phosphate, 10mM Sodium chloride, pH 4.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	MTANGTAEAVQIQFGLINCGNKYLTAEAFGFKVNASASSL KKKQIWLTLEQPPDEAG SAAVCLRSHLGRYLAADKDGNV TCEREVPGPDCRFLIVAHDDGRWSLQSEAHRRY FGGTE DRLSCFAQTVSPA EKWSVHIAMHPQVNIYSVTRKRYAHL ARPAD EIAVDR DVPWGVDSLITLAFQDQRYSVQTADHR FLRHDGRLVARPEPATGYTLEFRSGKVAF RDCEGRYLA PSGPSGTLKAGKATKVGKDELFALEQSCAQVVLQAANE RNVSTRQ GMDLSANQDEETDQETFQLEIDRDTKKCAFRTH TGKYWTLTATGGVQSTASSKNA SCYFDIEWRDRRITLR ASNGKFVTSKKNQLAASVETAGDSELFMLKLINRPII VFR GEHGFICRKVTGTLDANRSSYDVFQLEFNDGAYNIKDSTGKYWTVGSDSAVTSSG DTPVDFFFFECDYNKVAIK VGGRYLKGDHAGVLKASAETVDP
Sequence Similarities	Belongs to the fascin family.

GENE INFORMATION

Gene Name	FSCN1 fascin homolog 1, actin-bundling protein (<i>Strongylocentrotus purpuratus</i>) [Homo sapiens]
Official Symbol	FSCN1
Synonyms	FSCN1; fascin homolog 1, actin-bundling protein (<i>Strongylocentrotus purpuratus</i>); singed (<i>Drosophila</i>) like (sea urchin fascin homolog like) , SNL; fascin; actin bundling protein; FLJ38511; p55; Singed; drosophila; homolog like;
Gene ID	6624
mRNA Refseq	NM_003088

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Protein Refseq	NP_003079
MIM	602689
Uniprot ID	Q16658
Chromosome Location	7p22
Function	actin binding; actin filament binding; drug binding; protein binding; protein binding, bridging;

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