

Recombinant Full Length Human FSCN1 Protein, Flag tagged

Cat. No. FSCN1-31HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant protein of human fascin homolog 1, actin-bundling protein (Strongylocentrotus purpuratus) (FSCN1) with C-Flag tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	1-493 aa
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.
Tag	C-Flag
Molecular Mass	54.3 kDa
AA Sequence	MTANGTAEAVQIQFGLINCGNKYLTAEAFGFKVNASASSLKKKQIWTLEQPPDEAGS AAVCLRSHLGRYLAADKDGNTCEREVPGPDRCFLIVAHHDDGRWSLQSEAHRRYF GGTEDRLSCFAQTVSPA EKWSVHIAMHPQVNIYSVTRKRYAHL SARPADEIAVDRD

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VPWGVDSLITLAFQDQRYSVQTADHRFLRHDGRLVARPEPATGYTLEFRSGKVAFR
DCEGRYLAPSGPSGTLKAGKATKVGKDELFALEQSCAQVVLQAANERNVSTRQGM
DLSANQDEETDQETFQLEIDRDTKKCAFRTHTGKYWTLTATGGVQSTASSKNASCY
FDIEWRDRRITLRASNGKFVTSKKNQQLAASVETAGDSEFLMKLINRPIIVFRGEHG
FIGCRKVTGTL DANRSSYDVFQLEFNDGAYNIKDSTGKYWTVGSDSVVTSSGDTPV
DFFFEFCDYNKVAIKVGGRYLKGDHAGVLKASAETVDPASLWEYSGPTRTRPLEQK
LISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Notes	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Storage Buffer	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Concentration	>0.05 µg/µL as determined by microplate BCA method

GENE INFORMATION

Gene Name	FSCN1 fascin actin-bundling protein 1 [Homo sapiens (human)]
Official Symbol	FSCN1
Synonyms	FSCN1; fascin actin-bundling protein 1; HSN; SNL; p55; FAN1; fascin; 55 kDa actin-bundling protein; epididymis secretory sperm binding protein; fascin homolog 1, actin-bundling protein; singed-like (fascin homolog, sea urchin)

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Gene ID	6624
mRNA Refseq	NM_003088
Protein Refseq	NP_003079
MIM	602689
UniProt ID	Q16658
SDS-PAGE	