

Product datasheet for **SC118222**

Fascin (FSCN1) (NM_003088) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fascin (FSCN1) (NM_003088) Human Untagged Clone
Tag:	Tag Free
Symbol:	Fascin
Synonyms:	FAN1; HSN; p55; SNL
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC118222 sequence for NM_003088 edited (data generated by NextGen Sequencing)

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ATGACCGCCAACGGCACAGCCGAGGCGGTGCAGATCCAGTTCGGCCTCATCAACTGCGGC
AACAAAGTACCTGACGGCCGAGGGCTTCGGGTTCAAGGTGAACGCGTCCGCCAGCAGCCTG
AAGAAGAAGCAGATCTGGACGCTGGAGCAGCCCCTGACGAGGCGGGCAGCGCGGCCGTG
TGCTTGCAGCCACCTGGCCGCTACCTGGCGCGGACAAGGACGGCAACGTGACCTGC
GAGCGCAGGTGCCCGTCCCGACTGCCGTTTCCTCATCGTGGCGCACGACGACGGTCGC
TGGTCGCTGCAGTCCGAGGCGCACCGGCCCTACTTCGGCGGCACCGAGGACCGCCTGTCC
TGCTTCGCGCAGACGGTGTCCCCCGCGAGAAGTGGAGCGTGCACATCGCCATGCACCCT
CAGGTCAACATCTACAGCGTCACCCGTAAGCGCTACGCGCACCTGAGCGCGCGGCCGGCC
GACGAGATCGCCGTGGACCGCGACGTGCCCTGGGGCGTCGACTCGCTCATCACCTCGCC
TTCCAGGACCAGCGCTACAGCGTGCAGACCGCCGACCACCGCTTCTGCGCCACGACGGA
CGCCTGGTGGCGGCCCGAGCCGGCCACTGGCTACACGCTGGAGTTCGCTCCGGCAAG
GTGGCCTTCCGCGACTGCGAGGGCCGTTACCTGGCGCCGTGGGGCCAGCGGCACGCTC
AAGGCGGGCAAGGCCACCAAGGTGGGAAGGACGAGCTCTTTGCTCTGGAGCAGAGCTGC
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GACACCAAAAAGTGTGCCTTCCGTACCCACACGGGCAAGTACTGGACGCTGACGGCCACC
GGGGCGTGCAGTCCACCGCCTCCAGCAAGAAATGCCAGCTGTACTTTGACATCGAGTGG
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GGGCAGCTGGCCGCTCGGTGGAGACAGAGGGACTCAGAGCTTCTCATGAAGTCC
ATCAACCGCCCCATCATCGTGTCCGCGGGGAGCATGGCTTTCATCGGCTGCCCAAGGTC
ACGGGCACCCTGGACGCCAACCGCTCCAGCTATGACGCTTCCAGCTGGAGTTCAACGAT
GCGGCCTACAACATCAAAGACTCCACAGGCAAATACTGGACGGTGGGCAGTGACTCCGCG
GTCACCAGCAGCGCGACACTCCTGTGGACTTCTTCTCGAGTTCTGCGACTATAACAAG
GTGGCCATCAAGGTGGCGGGCGCTACCTGAAGGGCGACCACGCAGGCGTCTGAAGGCC
TCGGCGGAAACCGTGGACCCCGCCTCGCTCTGGGAGTACTAG

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Clone variation with respect to NM_003088.3
600 g=>a

5' Read Nucleotide Sequence: >OriGene 5' read for NM_003088 unedited

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ATACGACTTACTATAGGCGGCCGCGATTCCGGCACGAGGGCGGAGGGTGCCTGCGGGCCGC
GGCAGCCGAACAAAGGAGCAGGGGCGCCGCCGACGGGACCCGCCACCTCCCGGGGC
CGCGCAGCGGCCCTCTCGTCTACTGCCACCATGACCGCCAACGGCACAGCCGAGGCGGTGC
AGATCCAGTTCGGCCTCATCAACTGCGGCAACAAGTACCTGACGGCCGAGGCGTTTCGGGT
TCAAGGTGAACGCGTCCGCCAGCAGCCTGAAGAAGAAGCAGATCTGGACGCTGGAGCAGC
CCCTGACGAGGCGGGCAGCGCGGCCGTGTCCCTGCGCAGCCACCTGGGCGCTACCTGG
CGGCGGACAAGGACGGCAACGTGACCTGCGAGCGCGAGGTGCCCGTCCCGACTGCCGTT
TCCTCATCGTGGCGCACGACGACGGTGCCTGGTGCCTGCAGTCCGAGGCGCACCGGCGCT
ACTTCGGCGGCACCGAGGACCGCCTGTCTGCTTCGCGCAGACGGTGTCCCCCGCGAGA
AGTGGAGCGTGCACATCGCCATGCACCCTCAGGTCAACATCTACAGCGTCACCCGTAAGC
GCTACGCGCACCTGAGCGCGGGCCGGCCGACGAGATCGCCGTGGACCGGACGTGCCCT
GGGGCGTGCAGTCTCATCACCTCGCCTTCCAGGACCAGCGCTACAGCGTGCAGACCG
NCGACCACCGCTTCTGCGCCACGACNGACGCCCTGGTGGCGCGCCCCGAGCCGGCCACTG
GCTACACGCTGGAGTNCCTCGCTCGGCAGGGTGGNCTTCGCGACTGCGAGGCGCCGNTACCT
GNCGCCCGTGGGCCAGCGCACGCTCAAGCGGGCAGGNACCAAGGTGGCAGGACAGCTC
TTGCTCTGACAACTGCCCCAGTCTGCTGCAGCGGCACGANAGAACGTGCCCGGCCAGG
GTATGACTGCTGCATCAGACAGGGACGACCAGAACTCC

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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_003088 unedited TGCACCGCGGGCCGAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTGCAGACTGAGTTA TTTTATTTTCGCTATTTCCAGTTTGAAGCTACTATCATGGGCGTTTAGAGTTATACAAATG ACACTTACAAAAATAAAAGACCAAGACACCCAGAGTGAGATGCATGTTGGGGACGGGGG AGGCTGGCAGCAGGGGGGCCCGGGCTCACCCAGGGCTCCCGGAGGGGGCGACGCCT GGCTTCATCCACCGGGAGGCCAGGGAGCACCACATCACAGCAGGGGCTCTGGCCAGGT GTCGGCAGCCCAGGCCAGGGCTGGGGCTGGACGGGAAGGACGGAAAGAGGGGGCTGAGA TGACCCCTGGGGAGGGTGTGAGACGCCCCCGCCAGATCACTCGTACTACAGCCAG GCTTGCCTGGGACGCCTCCAGCAATAATTTTCATTAATAAAAAAATACTGATTTGGTCATT TTCTGCTTCCAGTCAGGTAGGGTAAAAGGAAAGAGACAGGAGGAAGACGGTCCCCACAC CCCTACCGGCCGACACCACCACCTTGGCAGAACGTGCAGCGGGCAGACCCTGTGGCCGA CACGCCCTGCCGCTCCAGGGAAGGGAGCCAGGTTGAGCCTTTGACACGTGGGAAAAGGGC TGTACCCCCACCCCCAATAAACCCACAGGGGAAAAACCTAACCCCAACAGTTTA CTTTACAAAAGGGGATTTGGGGCCACTGCCCCACGGAAGGCCATTAAGGGCTTGAAA TTGGCACAAATTTATTTGGGTGCTCGAAAGAAGGCACCTTCCCACTCCTCTTTCCGC CCCTCCTTCATCCACTTCTTCCCCCCCCCACATTTATCCTCATCTCACCACAGGTAC G
Restriction Sites:	NotI-NotI
ACCN:	NM_003088
Insert Size:	2930 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_003088.2 , NP_003079.1
RefSeq Size:	2819 bp
RefSeq ORF:	1482 bp
Locus ID:	6624
UniProt ID:	Q16658
Cytogenetics:	7p22.1

Gene Summary:

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. [provided by RefSeq, Sep 2011]