

Product datasheet for **RG203031**

Fascin (FSCN1) (NM_003088) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fascin (FSCN1) (NM_003088) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Fascin
Synonyms:	FAN1; HSN; p55; SNL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG203031 representing NM_003088
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**C

ATGACCGCCAACGGCACAGCCGAGGCGGTGCAGATCCAGTTCGGCCTCATCAACTGCGGCAACAAGTACC
 TGACGGCCGAGGCGTTTCGGGTTCAAGGTGAACGCGTCCGCCAGCAGCCTGAAGAAGAAGCAGATCTGGAC
 GCTGGAGCAGCCCCCTGACGAGGCGGGCAGCGCGGCCGTGTGCCTGCGCAGCCACCTGGGCCGCTACCTG
 GCGGCGGACAAGGACGGCAACGTGACCTGCGAGCGGAGGTGCCCGTCCGACTGCCGTTTCTCATCG
 TGGCGCACGACGACGGTCGCTGGTCGCTGCAGTCCGAGGCGCACCGGCGCTACTTCGGGCGCACCGAGGA
 CCGCCTGTCTGCTTCGCGCAGACGGTGTCCCCGCCGAGAAGTGGAGCGTGACATCGCCATGCACCT
 CAGGTCAACATCTACAGCGTCACCCGTAAGCGCTACGCGCACCTGAGCGCGCGGCCGCGACGAGATCG
 CCGTGGACCGGACGTGCCCTGGGGCGTCGACTCGCTCATCACCTCGCCTTCAGGACCAGCGCTACAG
 CGTGCAGACCGCGACCGCGCTTCCTGCGCCACGACGGGCGCCTGGTGGCGCGCCCGAGCCGGCCACT
 GGTACACGCTGGAGTTCGCTCCGGCAAGGTGGCCTTCGCGACTGCGAGGGCCGTTACCTGGCGCCGT
 CGGGGCCAGCGGACGCTCAAGGCGGGCAAGGCCACCAAGGTGGGAAGGACGAGCTCTTTGCTCTGGA
 GCAGAGCTGCGCCAGGTCTGTCTGCAGGCGGCCAACGAGAGGAACGTGTCCACGCGCCAGGGTATGGAC
 CTGTCTGCCAATCAGGACGAGGAGACCGACCGAGGAGACCTTCAGCTGGAGATCGACCGGACACCAAAA
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 CTCCAGCAAGAATGCCAGCTGCTACTTTGACATCGAGTGGCGTGACCGGCGCATCACACTGAGGGCGTCC
 AATGGCAAGTTTGTGACCTCCAAGAAGAATGGGACGTGGCCGCTCGGTGGAGACGACGAGGGACTCAG
 AGCTCTTCCTCATGAAGTCTCAACCGCCCCATCATCGTGTTCGCGGGGAGCATGGCTTCATCGGCTG
 CCGCAAGGTACGCGCACCTGGACGCCAACCGCTCCAGCTATGACGTCTTCAGCTGGAGTTCAACGAT
 GGCGCCTACAACATCAAAGACTCCACAGGCAAATACTGGACGGTGGGAGTGAAGTCCGTGGTCAACGCA
 GCGGCGACACTCCTGTGGACTTCTTCTCGAGTCTCGGACTATAACAAGGTGGCCATCAAGGTGGGCGG
 GCGCTACCTGAAGGGCGACCGCAGGCGTCTGAAGGCCTCGGCGAAACCGTGGACCCCGCTCGCTC
 TGGGAGTAC

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG203031 representing NM_003088
 Red=Cloning site Green=Tags(s)

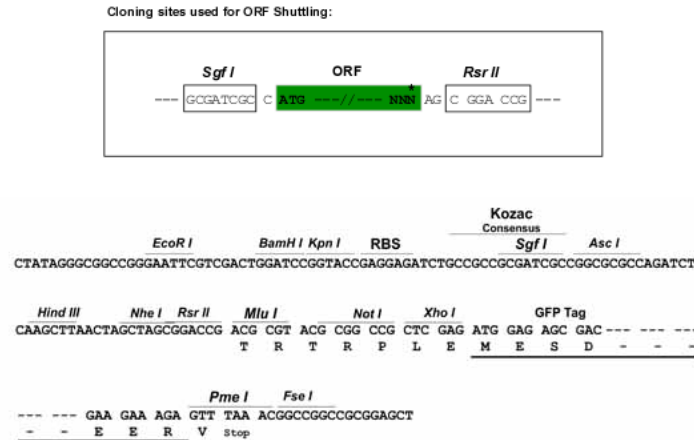
MTANGTAEAVQIQFLINCGNKYLTAFAFGKVNASASSLKKKQIWTLEQPPDEAGSAAVCLRSHLGRYL
 AADKDGNTVCEREVPGPDCRFLIVAHDDGRWSLQSEAHRRYFGGTEDRLSCFAQTVSPA EKWSVHIAMHP
 QVNIYSVTRKRYAHL SARPADEIAVDRDPWGVDSLITLAFQDQRYSVQTADHRFLRHDGRLVARPEPAT
 GYTLEFRSGKVAFRDCEGRYLAPSGPSGLKAGKATKVGKDELFALEQSCAQVVLQAANERNVSTRQGM
 L SANQDEETDQETFQLEIDRDTKKCAFRTHTGKYWTLTATGGVQSTASSKNASCYFDIEWRDRRITLRAS
 NGKFVTSKKNQGLAASVETAGDSEFLMKLINRPIIVFRGEHGFIGCRKVTGTL DANRSSYDVFLQEFND
 GAYNIKDSTGKYWTVGSDSVVTSSGDTVPDFFFEFCDYNKVAIKVGGRYLKGDHAGVLKASAETVDPASL
 WEY

SGPTRRRLE – GFP Tag – V

Restriction Sites:

SgfI-RsrII

Cloning Scheme:



ACCN: NM_003088

ORF Size: 1479 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_003088.2](#), [NP_003079.1](#)

RefSeq Size: 2819 bp

RefSeq ORF: 1482 bp

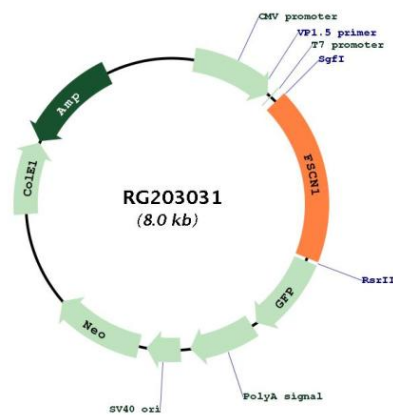
Locus ID: 6624

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]

Product images:



Circular map for RG203031