

## Product datasheet for **MR207918**

### **Fscn1 (NM\_007984) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Fscn1 (NM_007984) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fscn1
Synonyms:	A1663989; Fan1; fascin-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>MR207918 representing NM\_007984  
 Red=Cloning site Blue=ORF Green=Tags(s)

CTATAGGGCGGCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGACCGCCAACGGCACGGCAGAGGCTGTGCGATTCAGTTCGGGCTCATCAGCTGCGGCAACAAGTACC  
 TGACAGCCGAGGGTTTCGGGTTCAAGGTGAACGCATCCGCTAGTAGCTTAAAAAGAAGCAGATCTGGAC  
 GCTGGAGCAACCTCCCGATGAGGCGGGCAGCGCGCCGTGTCTGCGCAGCCACCTGGGTCGTACCTG  
 GCCGCCGACAAGGACGGCAACGTGACCTGCGAGCGCAGGTGCCGACGGCGACTGCCGCTTCTCGTCG  
 TGGCGCACGACGCGCCGCTGGTTCGTCAGTCCGAGGCTCACCGCGCTACTTTGGCGGCACCGAGGA  
 CCGCTGTCTGCTTCGCGCAGAGCGTGTCCGGCCGAGAAAGTGGAGCGTGCACATCGCCATGCACCCG  
 CAGGTTAACATCTACAGCGTTACCCGAAGCGCTACGCGCATCTGAGCGCGCGCCGGCCGACGAGATCG  
 CGGTAGACCGCGACGTGCCTTGGGGCGTCTGACTCGCTCATCACCTTGGCCTTCCAGGACCAACGCTACAG  
 TGTGCAGACGTCCGACCACCGCTTCTGCGCCACGACGGGCGCTTGTGGCACGGCCGGAGCCGCCACG  
 GGCTTACGCTGGAGTTCGCTCCGGCAAGGTGGCCTTTCGCGACTGCGAAGGTCTGCTACCTGGCTCCGT  
 CCGGGCCACGCGCACCTCAAGGCTGGCAAGGCCACCAAGGTGGGCAAAGATGAGCTCTTCGCCCTGGA  
 ACAGAGCTGCGCTCAGGTGGTGTGACAGCGGCCAACGAGAGAACGTGTCCACGCGCCAGGGAATGGAC  
 CTGTGACGCAATCAGGATGAAGAGACCGATCAGGAGACCTTCCAGCTGGAGATCGACCGCGACACAAGAA  
 AGTGTGCCTTTCGACCCACACGGGCAAGTACTGGACACTGACGGCGACCGGAGGTGTGCAATCCACTGC  
 GTCCACCAAGAAGCCAGCTGCTACTTTGACATCGAGTGGTGTGACCGCCGGATCACTCTGAGAGCTCC  
 AACGGCAAGTTTGTGACCGCCAAGAAAAATGGCCAGCTGGCCGCTCGGTGGAGACAGACGGGCTCGG  
 AACTTCTCCTCATGAAGCTGATTAACCGCCCATCATCGTGTTCGGGGGGAACACGGGTTCAATTGGCTG  
 CCGCAAGGTACCGGCACCTCTGGATGCCAACCGTTCAGTTACGATGTCTTCCAGTTGGAATTCATGAC  
 GCGCCTACAACATCAAAGACTCCACGGCAAGTACTGGACGGTGGGTAGTGATTCTCGGTACCAGCA  
 GCAGCGACACCCCTGTGGATTTCTTCTTGTGACTACAATAAGGTGGCTCTCAAGGTGGGCGG  
 CCGCTACCTGAAGGGGACACGCTGGGTCTGAAGGCCTGCGCGGAGACTATCGACCCCGCTCACTC  
 TGGGAGTAC

**ACGCGT**ACGCGGCGGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR207918 representing NM\_007984  
 Red=Cloning site Green=Tags(s)

MTANGTAEAVQIQFGLISCGNKYLTAFAFGFKVNASASSLKKKQIWTLEQPPDEAGSAAVCLRSHLGRYL  
 AADKDGNTCEREVPDGDRCFLVVAHDDGRWSLQSEAHRRYFGGTEDRLSCFAQSVSPAEKWSVHIAMHP  
 QVNIYSVTRKRYAHL SARP ADEIAVDRDVPWGVDSLITLAFQDQRYSVQTS DHRFLRHDGRLVARPEPAT  
 GFTLEFRSGKVAFRDCEGRYLAPSGPSGTLKAGKATKVGKDELFALEQSCAQVVLQAANERNVSTRQGM  
 L SANQDEETDQETFQLEIDRDTRKCAFRHTHTGKYWTLTATGGVQSTASTKNASCYFDIEWCDRRITLRAS  
 NGKFVTAKNQQLAASVETAGDSELFLMKLINRPIIVFRGEHGFIGCRKVTGTL DANRSSYDVFQLEFND  
 GAYNIKDSTGKYWTVGSDSSVTSSTDPVDFLEFCDYNKVALKVGGRYLKGDHAGVVKACAETIDPASL  
 WEY

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_007984

**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.

**RefSeq:** [NM\\_007984.2](#), [NP\\_032010.2](#)

**RefSeq Size:** 2667 bp

**RefSeq ORF:** 1482 bp

**Locus ID:** 14086

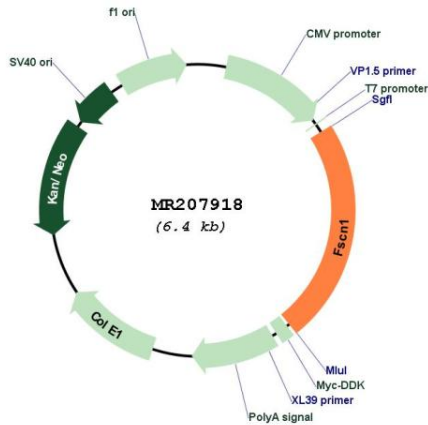
**UniProt ID:** [Q61553](#)

**Cytogenetics:** 5 81.84 cM

MW: 55 kDa

**Gene Summary:** Actin-binding protein that contains 2 major actin binding sites (By similarity). Organizes filamentous actin into parallel bundles (PubMed:7738015). Plays a role in the organization of actin filament bundles and the formation of microspikes, membrane ruffles, and stress fibers (By similarity). Important for the formation of a diverse set of cell protrusions, such as filopodia, and for cell motility and migration (PubMed:21685497). Mediates reorganization of the actin cytoskeleton and axon growth cone collapse in response to NGF (By similarity). [UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MR207918