

Product datasheet for **MC216780**

Fscn1 (NM_007984) Mouse Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Fscn1 (NM_007984) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Fscn1 |
| Synonyms: | AI663989; Fan1; fascin-1 |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |



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Fully Sequenced ORF: >MC216780 representing NM_007984
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACCGCCAACGGCACGGCAGAGGCTGTGCGATTCAGTTCGGGCTCATCAGCTGCGGCAACAAGTACC
 TGACAGCCGAGGCGTTTCGGGTTCAAGGTGAACGCATCCGCTAGTAGCTTGAAAAAGAAGCAGATCTGGAC
 GCTGGAGCAACCTCCCGATGAGGCGGGCAGCGCGCCGTGTGTCTGCGCAGCCACCTGGGTGCTACCTG
 GCCGCCGACAAGGACGGCAACGTGACCTGCGAGCGCGAGGTGCCGACGGCGACTGCCGCTTCTCGTCG
 TGGCGCACGACGCGCCGCTGGTTCGCTGCAGTCCGAGGCTCACCGGCGCTACTTTGGCGGCACCGAGGA
 CCGCTGTCTGCTTCGCGCAGAGCGTGTCCGGCCGAGAAAGTGGAGCGTGCACATCGCCATGCACCCG
 CAGGTTAACATCTACAGCGTTACCCGCAAGCGCTACGCGCATCTGAGCGCGCGCCGGCCGACGAGATCG
 CGGTAGACCGCGACGTGCCTTGGGGCGTCGACTCGCTCATCACCTTGGCCTTCCAGGACCAACGCTACAG
 TGTGCAGACGTCCGACCACCGCTTCTGCGCCACGACGGGCGCCTTGTGGCACGGCCGGAGCCGCCACG
 GGCTTACGCTGGAGTTCGCTCCGGCAAGGTGGCCTTTCGCGACTGCGAAGGTGCTACCTGGCTCCGT
 CCGGGCCAGCGCACCTCAAGGCTGGCAAGGCCACCAAGGTGGGCAAAGATGAGCTCTTCGCCCTGGA
 ACAGAGCTGCGCTCAGGTGGTGTGACAGCGGCCAACGAGAGAAAGTGTCCACGCGCCAGGGAATGGAC
 CTGTACAGCAATCAGGATGAAGAGACCGATCAGGAGACCTTCCAGCTGGAGATCGACCGCGACACAAGAA
 AGTGTGCCTTTCGACCCACACGGGCAAGTACTGGACACTGACGGCGACCGGAGGTGTGCAATCCACTGC
 GTCCACCAAGAAGCCAGCTGCTACTTTGACATCGAGTGGTGTGACCGCCGGATCACTCTGAGAGCTCC
 AACGGCAAGTTTGTGACCGCCAAGAAAAATGGCCAGCTGGCCGCCTCGGTGGAGACAGCAGGGGACTCGG
 AACTTTCCTCATGAAGCTGATTAACCGCCCATCATCGTGTTCGGGGGGAACACGGGTTCAATTGGCTG
 CCGCAAGGTACGGGCACTCTGGATGCCAACCGTTCAGTTACGATGTCTTCCAGTTGGAATTCAATGAC
 GCGCCTACAACATCAAAGACTCCACGGCAAGTACTGGACGGTGGGTAGTGATTCTCGGTACCAGCA
 GCAGCGACACCCCTGTGGATTTCTTCTTGTGACTACAATAAGGTGGCTCTCAAGGTGGGCGG
 CCGCTACCTGAAGGGGACACGCTGGGTCTGAAGGCCTGCGCGGAGACTATCGACCCCGCTCACTC
 TGGGAGTACTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_007984

Insert Size: 1482 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:

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

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]