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Product datasheet for MC216780

Fscn1 (NM_007984) Mouse Untagged Clone

Product data:

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

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Fully Sequenced ORF:

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

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGACCGCCAACGGCACGGCAGAGGCTGTGCAGATTCAGTTCGGGCTCATCAGCTGCGGCAACAAGTACC
TGACAGCCGAGGCGTTCGGGTTCAAGGTGAACGCATCCGCTAGTAGCTTGAAAAAGAAGCAGATCTGGAC
GCTGGAGCAACCTCCCGATGAGGCGGGCAGCGCGGCCGTGTGTCTGCGCAGCCACCTGGGTCGCTACCTG
GCCGCCGACAAGGACGGCAACGTGACCTGCGAGCGCGAGGTGCCCGACGGCGACTGCCGCTTTCTCGTCG
TGGCGCACGACGACGGCCGCTGGTCGCTGCAGTCCGAGGCTCACCGGCGCTACTTTGGCGGCACCGAGGA
CCGCCTGTCCTGCTTCGCGCAGAGCGTGTCGCCGGCCGAGAAGTGGAGCGTGCACATCGCCATGCACCCG
CAGGTTAACATCTACAGCGTTACCCGCAAGCGCTACGCGCATCTGAGCGCGCGGCCGGCCGACGAGATCG
CGGTAGACCGCGACGTGCCTTGGGGCGTCGACTCGCTCATCACCTTGGCCTTCCAGGACCAACGCTACAG
TGTGCAGACGTCCGACCACCGCTTCCTGCGCCACGACGGGCGCCTTGTGGCACGGCCGGAGCCCGCCACG
GGCTTCACGCTGGAGTTCCGCTCCGGCAAGGTGGCCTTTCGCGACTGCGAAGGTCGCTACCTGGCTCCGT
CCGGGCCCAGCGGCACCCTCAAGGCTGGCAAGGCCACCAAGGTGGGCAAAGATGAGCTCTTCGCCCTGGA
ACAGAGCTGCGCTCAGGTGGTGCTGCAGGCGGCCAACGAGAGGAACGTGTCCACGCGCCAGGGAATGGAC
CTGTCAGCCAATCAGGATGAAGAGACCGATCAGGAGACCTTCCAGCTGGAGATCGACCGCGACACAAGAA
AGTGTGCCTTTCGCACCCACACGGGCAAGTACTGGACACTGACGGCGACCGGAGGTGTGCAATCCACTGC
GTCCACCAAGAACGCCAGCTGCTACTTTGACATCGAGTGGTGTGACCGCCGGATCACTCTGAGAGCCTCC
AACGGCAAGTTTGTGACCGCCAAGAAAAATGGCCAGCTGGCCGCCTCGGTGGAGACAGCAGGGGACTCGG
AACTCTTCCTCATGAAGCTGATTAACCGCCCCATCATCGTGTTCCGGGGGGAACACGGGTTCATTGGCTG
CCGCAAGGTCACGGGCACTCTGGATGCCAACCGTTCCAGTTACGATGTCTTCCAGTTGGAATTCAATGAC
GGCGCCTACAACATCAAAGACTCCACGGGCAAGTACTGGACGGTGGGTAGTGATTCCTCGGTCACCAGCA
GCAGCGACACCCCTGTGGATTTCTTCCTTGAGTTCTGTGACTACAATAAGGTGGCTCTCAAGGTGGGCGG
CCGCTACCTGAAGGGGGACCACGCTGGGGTCCTGAAGGCCTGCGCGGAGACTATCGACCCCGCCTCACTC
TGGGAGTACTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

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).

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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]

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