

Product datasheet for **RN214769**

Fscn1 (NM_001100806) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fscn1 (NM_001100806) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Fscn1
Synonyms:	Fascin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN214769 representing NM_001100806
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGACCGCAACGGCACGGCCGAGGCTGTGCAGATCCAGTTCGGGCTCATCAGCTGCGGCAACAAGTACC
TGACAGCCGAGGCGTTTCGGGTTCAAGGTGAACGCATCCGCTAGTAGCTTGAAGAAGAAGCAGATCTGGAC
GCTGGAGCAACCTCCCGATGAGGCGGGCAGCGCGCCGTGTGTCTGCGCAGCCACCTGGTCCCTACCTG
GCCGCCGACAAGGACGGCAATGTGACCTGCGAGCGCGAGGTACCTGACGGCGACTGCCGTTCTCGTCTG
TGGCACACGACGACGGCCGCTGGTTCGCTGCAGTCCGAGGCGCACC GGCGCTACTTCGGCGGCACCGAGGA
CCGCTGTCTGCTTCGCGCAGAGCGTGTCCGGCCGAGAAAGTGGAGCGTGCACATCGCCATGCACCCG
CAGGTCAACATCTACAGCGTCACCCGCAAGCGCTACGCTCATCTGAGCGCGCACC GGCCGACGAGATCG
CGGTAGACCGCGACGTGCCTTGGGGCGTCGACTCGCTCATCACCTTGGCCTTCCAGGACCAGCGCTACAG
CGTGCAGACGTCCGACCACCGCTTCTGCGCCACGACGGGCGCCTTGTGGCGCGCCTGAGCCCGCCACG
GGCTTCACTGGAGTTCGCTCCGGCAAGGTGGCCTTTCGCGACTGCGAAGGTTCGCTACCTGGCTCCGT
CCGGGCCAGCGCACCTCAAGGCTGGCAAGGCCACCAAGGTGGGCAAAGATGAGCTCTTCGCCCTGGA
ACAGAGCTGCGCTCAGGTGGTGTGTCAGGCAGCCAACGAGAGGAACGTGTCCACGCGCCAGGGAATGGAC
CTGTGACCAATCAGGATGAAGAGACGGATCAGGAGACCTTCCAGCTGGAGATTGACCGGGACACAAGAA
AGTGTGCCTTCCGCACCCACACGGGCAAGTACTGGACGCTGACAGCGACTGGAGGTGTGCAGTCCACTGC
ATCCACTAAGAATGCCAGCTGCTACTTTGACATTGAGTGGTGTGAGCGCGGATCACTCTGAGAGCGTCC
AACGGCAAGTTTGTGACCGCCAAGAAAAACGGCCAACCTGGCTGCCACTGTGGAGACAGCAGGGGATCGG
AACTTTCCTCATGAAGCTGATTAACCGCCCCATCATCGTGTTCGCTGGGAGCAGCGGTTCAATTGGCTG
CCGCAAGGTACGGGCACCTGGACGCCAATCGCTCCAGTTACGACGCTTTTCAGCTGGAGTTCAATGAT
GGCGCCTACAACATCAAAGACTCCACGGCAAGTACTGGACGGTGGGTAGCGACTCCTCGGTCACCAGCA
GCAGCGACACCCCGTGGATTTCTTCTTGTGACTACAATAAGGTGGCTCTCAAGGTGGGCGG
TCGCTACCTGAAGGGGACACGCGGGGTCTGAAGGCCTGCGCGGAGACTATCGACCCCGCCACACTC
TGGGAGTACTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: NM_001100806

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_001100806.1](#), [NP_001094276.1](#)

RefSeq Size: 2711 bp

RefSeq ORF: 1482 bp

Locus ID: 683788

UniProt ID: [P85845](#)

Cytogenetics: 12p11

Gene Summary: Actin-binding protein that contains 2 major actin binding sites (PubMed:8769857). Organizes filamentous actin into parallel bundles (PubMed:8769857). Plays a role in the organization of actin filament bundles and the formation of microspikes, membrane ruffles, and stress fibers. Important for the formation of a diverse set of cell protrusions, such as filopodia, and for cell motility and migration. Mediates reorganization of the actin cytoskeleton and axon growth cone collapse in response to NGF (By similarity).[UniProtKB/Swiss-Prot Function]