

Product datasheet for **MG218446**

Spatc1 (NM_028852) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Spatc1 (NM_028852) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Spatc1
Synonyms:	1700084J23Rik; speriolin
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG218446 representing NM_028852
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCTCTACTTACAAGTTACGAGGGGCTTCGGCATCAGATAGAGAGGCTGGTGC GGAAAAATGAGGAAC
 TGAAGAAGCTGGTACGGCTCATTCTGGGAGAATCAGGAGCTCAAGTCTGCGATCAAGACTCAGGCAGGTGG
 CCTCTGCATCAGCGGGTTACCGGAGGGCTTGGTGAAGCAGCGGAGGCCCTCCCAACATCAGGGTGTA
 TTCCTGCCCCAGCTTCAGCAGCAGCAAAGGAGCCCTGCTCAGAAGACTTGGGGATGGTAGCACTGGCAC
 CTCTGGCTGACATGTTGAATACCCACAGCTCAGTCTGCAGCAGGCTCCCTTGTGAACCCCTGGCTGC
 TACTCTTAACCCACTGCTGTCTGGCCAAATACCCTTGTTCAGAACCAACAGTTTGCCAATCTTGCCCA
 TGCTCCATGAGCAACCACTGACCAATCCTACTACAGTTTCCCAGGAGTCACCTTGGCCAGTTCTCTGG
 GTTTGCCCTCTACTGGACCCCTGAACAGTCAAATGACTAGTCCCATGACTGTACCCCAAGGAGGAGTCT
 GGCCAGCTCACTGGGCTGACCTCACTGGTTCCTTAACAACAAGCAGCCGGCTGGTGGGCCCTCTGGCT
 GTATCTCAGAGCAGCCCCATCATGGCTCCCTGGCAGGCACAGTGGCAGTCTCTCTGAGTAGTCCCTGC
 TCTCTCCACAGTACCCCTCTAGGTGTTGCTCAGAACGTAAGTGCCTCAACCCATAAACAACATAGGGCA
 GCCAGAGACGCCAAGGTGCGGCGGGCAGAGCCTACCCGAGGAACTTTCTGGAACCTCAGCCTATGCA
 GGACCACTCCCACCTCCAAAGTCAATGATACCCGGGGTTACGCGTGATGGAACAGTCTCGGAAGAATG
 TCGTGGAGATGGAGCGGAAGACGCCACCAGAAAGTCTAACAAGTTACCTGACAAATCCCCGAGACACAAA
 ACAGCTAGTCTGTGAGAGGCTAGTGGGGGAAATCGCCTTCCAGCTAGACCGAAGAATCCTGTCCAGCATC
 TTCCCAGAGCGGTACGTCTCTACGGCTTCACTGTCTCCAACATCCCAGAGAAGATCATCCAGGCCCTCCC
 TAAACCCAGTAATCACAAGTTGGATGAGGACCTGTGCCAGACGCTCACACAGCGTTACGTGAGCATCAT
 GAACAAGCTGCAGAGCTTAGGCTACAACGGGCGGGTGCACCCGGCACTGACAGAACAGCTGGTCAATGAG
 TACGGCATCTGCGCGAGCGGCCGTGAGCTGGCGGCATCTGAAGGTGGCTGCTACACGGTGGACTTCTTGC
 AGCGTGTGCTATTGAAACCGTGACCCAGCAAGCTCACGGACGCCCTCCTGCTGCTCTCTGCTCTCA
 TCAGCTGTCCCACGATGACGGCAAACCTATGTTTCATCTGG

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

Protein Sequence:

>MG218446 representing NM_028852
 Red=Cloning site Green=Tags(s)

MSLLTSYGLRHQIERLVRENEELKKLVRLIRENQELKSAIKTQAGGLCISGFTGGLGEAAAGPPQHGV
 FLPPASAAAKEPCSEDLGMVALAPLADMLNTPQLSPAAGSLVNPLAATLNPLL SGQIPLLQNNQFANLVP
 CSMSNQLTNPTTVSPGVTLASSLGLPSTGPLNSQMTSPMTVPPGTTLASSLGLTSTGSLTSSRLVGPLA
 VSQSSPIMAPLAGTVAVSLSSPLLSSSTATPLGVAQNVVNPINNIGQPETPRVRAEPTRGNFSGT SAYA
 GPAPTSKVNDRGSRVMEQSRKNVEMERKTPHRKSNKLPDNPRTKQLVCERLVGEIAFQLDRRLSSI
 FPERVRLYGFTVSNIEPKIIQASLNPSNHKLDEDL CQTLTQRYVSIMNKLQSLGYNGRVHPALTEQLVNE
 YGILRREPELAASEGGCYTVDFLQRVLLETVHPSKLT DALLLSCLHQLSHDDGKPMFIW

SGPTRRRLE – GFP Tag – V

Restriction Sites:

SgfI-RsrII

Cloning Scheme:


ACCN: NM_028852

ORF Size: 1440 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_028852.1](#), [NP_083128.1](#)

RefSeq Size: 1621 bp

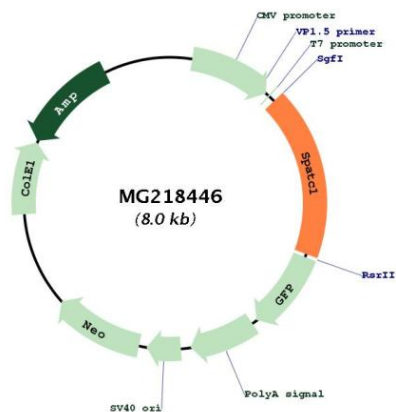
RefSeq ORF: 1443 bp

Locus ID: 74281

UniProt ID: [Q148B6](#)

Cytogenetics: 15 D3

Product images:



Circular map for MG218446