

Product datasheet for **MG216721**

Spats1 (NM_027649) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Spats1
Synonyms:	170001IH05Rik; 4933400B06Rik; Daip2; Ddip; Srsp1
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >MG216721 representing NM_027649
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGTCTTCCAAGGATACCCAGCACGGTGATGCTCTAGAATCTAAAAGTTGCTTGGCTAACAGGACGT
CCTCTCGTCAGAACAAAAGGACCAGCCTCTCGTCTTCTGACGGAACAGGTCCGAGAGTCACTGAGTCCCT
AGGCCTTCCAGGGTGTGACTCCCTCTGACACGGCTGCGGAGCTGGGTGAGAAGACCTCCTCCTTCC
TCTTCTCCTTCTCCTGCTCAGTCTAATCGTTCCTCAAAGTTTCGCTGCCTGAAATCCCAAAGGAAA
AATATCCTGAGGAATTCAGCCTGCTCAATTCACAGACAGAAGATGGGCAGCGTCTGAGTGGACATTTTA
TCCAAGGTTTCAGCAGCAACATCCACACCTACCACATTGGAAAGCAGTGCTTCTCAATGGGGTCTTCCGG
GGCAACAGGAGGTCTGTGGCAGAGAGGACAGTGGACAACAGCCTCGGGAAGAAGAAAACGATATTGATC
CCAGAAATGGAATCCCAAATTCACACCAGGGGATAATCCGTACATGTTCCAGAACAGAGTAAAGATT
CTTCAAAGCGGGAGCAACTTTGCCTCCGGTGAACCTTCTCACTGGGACCTTACGAGAAAAAATTCGACACA
TTTATCCCCTTGAGCCACTTCCAAAAATCCCAATCTGCCTTTCTGGGAGAAGGAAAAAGCCAACAATT
TGAAGAACGAGATAAAGAAGTCGAGGAGCTTGACAACCTGGCAGGTGCCGATGCCCTTCTCATATGGTTT
CTTCTCCACTGGTGCTTCCAACCTTTCAAGACAACA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >MG216721 representing NM_027649
 Red=Cloning site Green=Tags(s)

MESSKDTQHGDALLESKSLANRTSSRQNKRTSLSSSDGTGPRVTESLGLPRVLTPSDTAAELGQKTSSSS
 SSSSSSAQSNRSSKVSLEIPKEKYPEEFLLNSQTEDGQRPEWTFYPRFSSNIHTYHIGKQCFNNGVFR
 GNRRSVAERTVDNSLGKKKYDIDPRNGIPKLTGDPNPYMFPEQSKEFFKAGATLPPVNFSLGPYEKKFDT
 FIPLEPLPKIPNLPFWEKEKANLKNKIKVEEELDNWQVMPFLHGFFSTGASNFSRQQ

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_027649

ORF Size: 807 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_027649.3](#), [NP_081925.2](#)

RefSeq Size: 1160 bp

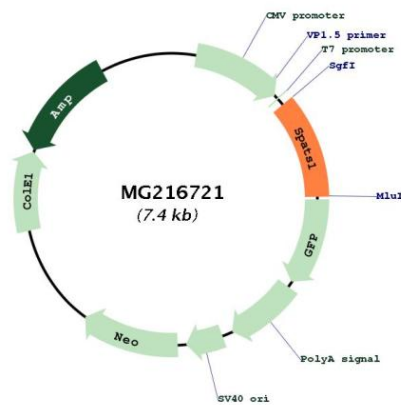
RefSeq ORF: 810 bp

Locus ID: 71020

UniProt ID: [A2RRY8](#)

Cytogenetics: 17 B3

Product images:



Circular map for MG216721