

Product datasheet for **MG207631**

Spats2 (BC023432) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Spats2 (BC023432) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Spats2
Synonyms:	Scr59, p59, 59kDa
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MG207631 representing BC023432
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAAGGTAGTGCCAGTGAAGTGTCTAAAGAATGGATAGTAAGTGGCAAAAAAAAAAGAACAAAAAGAAGA
 AGAGCAAGCCAAAGCCTGCATCAGAAGCAAGTGGCAGTGTCCCAGACTCCAGTAAGTCGGCCCCATTCA
 AGAGGAGCAGCCTGCATCTTCAGAGAAAGGCAGCATCAATGGTTACCACGTAAACGGTGCCATCAACGAT
 GCCGAGTCTGTGGACTCGCTCAGTGAAGGGCTGGAGACGCTGTCAATAGATGCCAGAGAGCTGGAGGATC
 CCGAGTTTGCCGCAGCAGAGACGCTGGACAGAAGTGGTCTGTGCTGGAGAATGGTGTCTCTGACTTTGA
 GCCAAATCTTTGACTGCGCACTCTATCTCGAATGTCCAGCAATCCCGGAACGCTGCCAAATCTCTGTCC
 AGAACCACCCAGGAGCACAGGTTTCAAATCTGGGAATGGAGAAGTTCCTCTCTCCACCAATAAAA
 AGCTAGGTTCTAATATTGAGAAATCGGTGAAAGACCTCCAGCGCTGCACTGTTTCTCTTGACGGTACCG
 AGTTGTGCTTAAAGAAGAGATGGATGCGTCCATTAAGAAAATGAAACAAGCGTTTGCCGAATTGCAAGC
 TGTTTAAATGGATCGAGAAGTGGCACTGCTTGTGAGATGGATAAAGTGAAAGCTGAAGCAATGGAATCT
 TGCTCAGCCGGCAGAAGAAGCGGAGCTTCTAAAGAAGATGACAGATGTGGCCGTTTCGATGTCAGAGGA
 GCAGTTGGTTGAACTCAGGGCTGATATCAAGCACTTTGTGAGTGGAGGAAATATGATGAAGACCTTGGG
 AGGGTAGCCCGCTTACCTGTGATGTGGAGACTCTGAAACAGAGTATCGATTCTTTCCGACAAGTGTAC
 ATCCAAAGAACAGCTACTCAACCCGCTCTCGATGCAGCTTGGTGGCACCTGTGTCTTGGTGGCCCAAG
 TGATGGCTCTGCTGCTTCTTCTCCCTGATGCCTCTGTCCAGCCTCCAGGTGCTACAAGAGAAAC
 TATTTCCAGGCAACAGGAGAGGAGGACAAGGCTACCGGGCACAAAGCCAAAAGACCCGACCCCTCAA
 CCCAGGGCCCATGACAGTGTGGCCGCTACAGAAACAGCTCATGGTATTCTTCCGGCCAGGTATCAG
 GGTGTTCCGCCACAAGCCCAAGGAAACGCCGGCAGCGGAGTGCCTTACTCTGAGGGACCAATGGAA
 CTGGAGCCATCTCAGAGCCTAGCCACCCCAAGCCTTCGTTCAAAAAGGGGCTCCACAGCGCAAACCAAG
 GCCTCTCAGGCTGAAGCTGCGAACTCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG207631 representing BC023432
 Red=Cloning site Green=Tags(s)

MEGSASEVLKEWIVTGKKKNNKKKSKPKPASEASGSAPDSSKSAPIQEEQPASSEKGSINGYHVNGAIN
 AESVDSLSEGLETLSDARELEDEPEFAAAETLDRTGSVLENGVDFEPKSLTAHSISNVQQSRNAKSL
 RTTPGAQVSNLGMENVPLSSTNKKLGSNIEKSVKDLQRCTVSLARYRVVKEEMDASIKKMKQAF
 CLMDREVALLAEMDKVKAEMEILLSRQKKAELLKMTDVAVRMSEEQLVELRADIKHFVSEKRYDE
 RVARFTCDVETLKQSIDSFQVSHPKNSYSTRSCLVAPVSLSGPSDGSAASSSPDASVPSLPGANKRN
 CAPREASAAMTNSDRPCQAHREVFPGNRRGGQGYRAQSQKTADPSNPGRHDSVGRYRNSWYSSGPRYQ
 GVPPQAPGNAGERSRYPYAGTNGTGAISEPSPPKPSFKKGLPQRKPRASQAEAAANS

TRTRPLE - GFP Tag - V

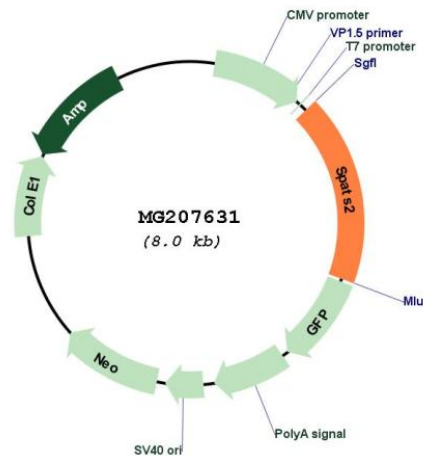
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: BC023432

ORF Size: 1430 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.

RefSeq: [BC023432](#), [AAH23432](#)

RefSeq Size: 2462 bp

RefSeq ORF: 1430 bp

Locus ID: 72572

Cytogenetics: 15 F1