

## Product datasheet for **MR207631**

### Spats2 (BC023432) Mouse Tagged ORF Clone

#### Product data:

|                           |                                          |
|---------------------------|------------------------------------------|
| Product Type:             | Expression Plasmids                      |
| Product Name:             | Spats2 (BC023432) Mouse Tagged ORF Clone |
| Tag:                      | Myc-DDK                                  |
| Symbol:                   | Spats2                                   |
| Synonyms:                 | Scr59, p59, 59kDa                        |
| Mammalian Cell Selection: | Neomycin                                 |
| Vector:                   | pCMV6-Entry (PS100001)                   |
| E. coli Selection:        | Kanamycin (25 ug/mL)                     |



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**ORF Nucleotide Sequence:**

>MR207631 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGAAGGTAGTGCCAGTGAAGTCTCAAAGAATGGATAGTAAGTGGCAAAAAAAGAACAAAAAGAAGA  
 AGAGCAAGCCAAAGCCTGCATCAGAAGCAAGTGGCAGTGGCCAGACTCCAGTAAGTCGGCCCCATTCA  
 AGAGGAGCAGCCTGCATCTTCAGAGAAAGGCAGCATCAATGGTTACACGTAAACGGTGCCATCAACGAT  
 GCCGAGTCTGTGGACTCGCTCAGTGAAGGGCTGGAGACGCTGTCAATAGATGCCAGAGAGCTGGAGGATC  
 CCGAGTTTGCCGAGCAGAGACGCTGGACAGAAGTGGATCTGTGCTGGAGAATGGTGTCTCTGACTTTGA  
 GCCCAATCTTTGACTGCGCACTCTATCTCGAATGTCCAGCAATCCGGAACGCTGCCAATCTCTGTCC  
 AGAACCACCCAGGAGCAGAGTTTCAAATCTGGGAATGGAGAACGTTCCACTCTCTCCACCAATAAAA  
 AGCTAGGTTCTAATATTGAGAAATCGGTGAAAGACCTCCAGCGCTGCACTGTTTCTCTTGACGGTACCG  
 AGTTGTCTGTTAAAGAAGAGATGGATGCGTCCATTAAGAAAATGAAACAAGCGTTTGCCGAATTGCAAAGC  
 TGTTTAATGGATCGAGAAGTGGCACTGCTTGTGAGATGGATAAAGTGAAAGCTGAAGCAATGGAAATCT  
 TGCTCAGCCGGCAGAAGAAAGCGGAGCTTCTAAAGAAGATGACAGATGTGGCCGTTTCGATGTGACAGGA  
 GCAGTTGGTTGAACTCAGGGCTGATATCAAGCACTTTGTCACTGAGCGGAAATATGATGAAGACCTTGGA  
 AGGGTAGCCCGCTTACCTGTGATGTGGAGACTCTGAAACAGAGTATCGATTCTTTCGGACAAGTGTAC  
 ATCCAAAGAACAGCTACTCAACCCGCTCTCGATGCAGCTTGGTGGCACCTGTGTCTTGAAGTGGCCCAAG  
 TGATGGCTCTGCTGCTTCTTCTCCCTGATGCCTCTGTTCCAGCCTCCAGGTGCTAACAGAGAAAC  
 TATTTCCAGGCAACAGGAGAGGAGGACAAGGCTACCGGGCACAAGCCAAAAGACCGCAGACCCCTCAAA  
 CCCAGGGCGCCATGACAGTGTGGGCCGCTACAGAAACAGCTCATGGTATTCTTCCGGGCCAGGTATCAG  
 GGTGTTCCGCCACAAGCCCGAGGAAACGCCGGCAGCGAGTGCCTTACTCTGCAGGGACCAATGGAA  
 CTGGAGCCATCTCAGAGCTAGCCACCCAAGCCTTCGTTCAAAAAGGGGCTCCACAGCGCAAACCAAG  
 GCCTCTCAGGCTGAAGCTGCGAACTCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

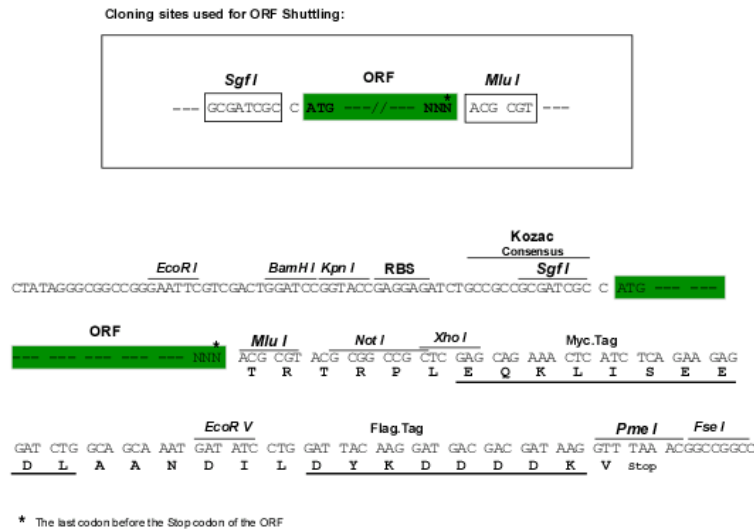
>MR207631 protein sequence  
 Red=Cloning site Green=Tags(s)

MEGSASEVLKEWIVTGKKKNNKKKSKPKPASEASGSAPDSSKSAPIQEEQPASSEKGSINGYHVNGAIND  
 AESVDSLSEGLETLSDARELEDEPEFAAAETLDRTGSVLENGVSDFEPSLTAHSISNVQSRNAKSL  
 RTTPGAQVSNLGMENVPLSSTNKKLGSNIEKSVKDLQRCTVSLARYRVVKEEMDASIKMKQAFELQS  
 CLMDREVALLAEMDKVKAEMEILLRQKKAELLKKMTDVAVRMSEELVELRADIKHFVSEKDYEDLG  
 RVARFTCDVETLKQSIDSFQVSHPKNSYSTRCSLVAPVSLSGPSDGSAASSPDASVPSLPGANKRN  
 CAPREASAAMTNSSDRPCQAHREVFPGNRRGGQGYRAQSQKTADPSNPGRHDSVGRYRNSWYSSGPRYQ  
 GVPPQAPGNAGERSRYPYAGTNGTGAISEPSPPKPSFKKGLPQRKPRASQAEAAANS

**TR**TRPLE**QKL**ISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** BC023432

**ORF Size:** 1428 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:** [BC023432](#), [AAH23432](#)

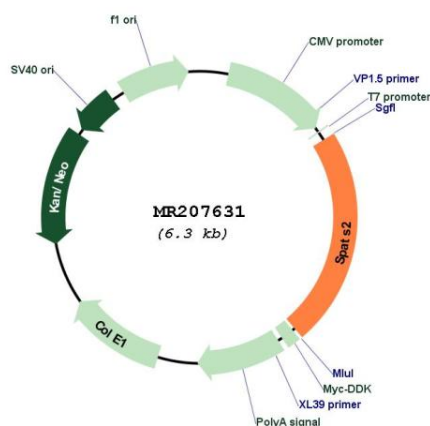
**RefSeq Size:** 2462 bp

**RefSeq ORF:** 1430 bp

**Locus ID:** 72572

Cytogenetics: 15 F1  
MW: 51.2 kDa

## Product images:



Circular map for MR207631