

## Product datasheet for **MG215802**

### Spats2l (NM\_144882) Mouse Tagged ORF Clone

#### Product data:

<b>Product Type:</b>	Expression Plasmids
<b>Tag:</b>	TurboGFP
<b>Symbol:</b>	Spats2l
<b>Synonyms:</b>	2810022L02Rik; A230104H11Rik; AA987173; AI480531; AI842453; AW413586
<b>Mammalian Cell Selection:</b>	Neomycin
<b>Vector:</b>	pCMV6-AC-GFP (PS100010)
<b>E. coli Selection:</b>	Ampicillin (100 ug/mL)



**ORF Nucleotide Sequence:** >MG215802 representing NM\_144882  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGGCTGAACCTCAACACTCATGTGAACATCAAAGAGAAGATCTACGCAGTTAGATCAGTTGTTCCGAACA  
 AAAGCAATAATGAAATCGTGTGTTACTCCAACAGTTTGATTTAATGTGGATAAAGCCGTACAGGCCTT  
 TGTGGATGGCAGTGTATTCAAGTCTTAAAGAATGGAACATGACGGGAAAGAAGAATAATAAAAGG  
 AAGAGAAGCAAATCCAAGCAGCATCAAGGCAACAAGATGCTAAGGACAAGGTGGAGAGGCCAGAGGTGG  
 GGCCCTGCAGCCCAGGCACCACTGGTACAAAATGGTCACATGAATGGCTGCGAAAAGGACAGCTCATC  
 CCTGACTCTACCAGAGAAAACTGGCCCTCACACCAGTGAGAAAAAGATCTCGATACTGGAGGAACCT  
 CCAAGGGCTCAGCGTGGGTACAGAAAGCGGCAGACTACTGCAGCAGAAAAATGTCCTTAGATGGGAACC  
 CCAGAGCGATTATGGACCATCAGAGAGTTCAGATGGCCACAGTGGTCACTGGGCAGCCTTGTAAACC  
 AAGCAAGCCTAAGGCAAAAACATCTCTGTTAAGTCCAATGCCCTGCAGCTCATCTTGAATAAAGCCA  
 GATGAGCTGGCAAAGAAAAGAGGCCAAAATATTGAGAAATCGGTGAAGGATCTGCAGCGCTGCAGTGT  
 CTCTGACGAGATACCGCTCATGATCAAGGAAGAAGTGGACAGTTCCTGGAAGAAGTCAAAGCAGCATT  
 TGCTGAGCTACACAACATGATCATTGACAAAGAAGTTTCACTGATGGCAGAAAATGGACAAAGTTAAAGAA  
 GAAGCCATGGACATCCTGACTGCCGTGAGAAGAAAGCAGAGGAGCTGAAGAGACTGACTGACCTAGCCA  
 GTCAGATGGCAGAGATGCAGCTGGCCGAACTCAGAGCTGAAATTAAGCACTTTGTGAGCAGCAAGCAAGTA  
 TGACGAGGAGCTGGGAAAGGCTGCCCGTTCTCCTGTGACATTGAACAACGAAAGCCAAAATCCTGATC  
 TGTGGAGAAATTACACATCAAAGAACAGCTACTCCTCAAGAACCTCCCTGCAGCTCCCTGCTGCCTCTGC  
 TGAACACTCATGCGGTAGCTTCCGGAAAACAGGGGAATTTTGCCTGGAAGTCACTCCGGTCAACAAGCC  
 CTCTGAGGGGAAAAGCAGCAAAACCCAAAATGGTGAAGCGGACTTGCCAACACTGCCGATGCCGTGTCACCAG  
 ACCATGCCACTAACAAGCAGCAGAATGGACCTTCCAGCCAAGACGAAGATTTAATCCACAGTATCACA  
 ACAGGCTAAATGGTCCAGCCAAGTCAAGGGTGGTGGTAAATGAAGCGGATCCCATGGCGAAGAGCAACAG  
 CCGCCATGAACACAGAAGACAGCCACATAATGGTTCCGTCCCAAAAACAAGGTGGTGCCTGCAAAAACCA  
 GAGGCCCTTGGGACAAAAGGCCCAAGGCCCCCAACATTCTGAAAAGGCCCGTGAAGGCAGCATG  
 CTGCAGACAACCTTAGAGCCAGGCCTTCCGGGTAATGTTAGTAGGGTTTACAGTGAATCTTTGTCC  
 CTCTAGAATAGAAGTTTCCACGGAGCCACGGTCTCTCAGTCCCGCTGTGACGTTGGTGGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG215802 representing NM\_144882  
 Red=Cloning site Green=Tags(s)

MAELNTHVNIKEKIYAVRSVVPNKSNEIVLVLQQDFNVDKAVQAFVDGSAIQVLKEWNMTGKKKNNKR  
 KRKSKQHQNKDAKDKVERPEVGPLQPQAPLVQNGHMNGCEKDS SSPDSTREKLALTPREKKISILEEP  
 PRAQRGVTEGGRLLQQKMSLDGNPRAIHGSPERSDGPQWSAGQPCNPSPKPKAKTSPVKSNAPAAHLEIKP  
 DELAKKRGPNIEKSVKDLQRCTVSLTRYRVMIKEEVDSVKKIKAAFAELHNCIIDKEVSLMAEMDKVKE  
 EAMDILTARQKKAELKRLTDLASQMAEMQLAELRAEIKHFVSEKRYDEELGKAARFSCDIEQLKAQIL  
 CGEITHPKNSYSSRTPCSSLLPLLNTHAVASGKQGNFARKSSGHNKPSEGKAANPKMVSGLANADACHQ  
 TMPTNKQQNGPSSQRRRFNPQYHNLNPAKSQGGNEADPMAKSNSRHEHRRQPHNGFRPKNKGKAKNQ  
 EAPLGTKAPEAPPHSEKARRRQHAADNLEARPFGRNVSRVQCENLCPSTRIEVSTEATVLSVPAVTLVA

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**


**ACCN:** NM\_144882

**ORF Size:** 1674 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.

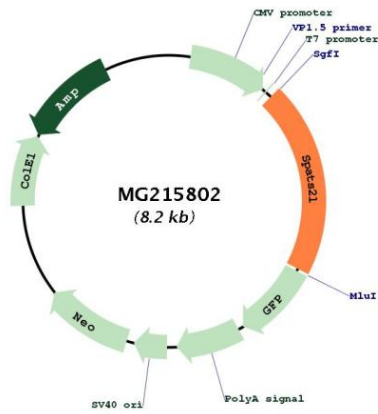
**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** [NM\\_144882.3](#)

**RefSeq Size:** 3932 bp

RefSeq ORF: 1737 bp  
 Locus ID: 67198  
 UniProt ID: [Q91WJ7](#)  
 Cytogenetics: 1 C1.3

**Product images:**



Circular map for MG215802