

## Product datasheet for **RG238831**

### SPATS2 (NM\_001293286) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SPATS2 (NM_001293286) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SPATS2
Synonyms:	Nbla00526; P59SCR; SCR59; SPATA10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG238831 representing NM\_001293286.  
 Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGTCCAGGAAACAGAACCAGAAGGATTCATCAGGATTCATTTTTGATTTGCAGTCCAATACCGTACTG
GCCAGGGAGAGCTTTTGAGAACATGAAGAGAAGATAAATGCGGTACGTGCAATAGTTCTTAATAAG
AGCAACAATGAAATTATCCTGGTTTTGCAGCACTTTGATAACTGTGTGGACAAAACAGTACAAGCATT
ATGGAAGGTAGTGCCAGTGAAGTACTCAAAGAATGGACAGTAACAGGCAAGAAAAAGAACAAAAAGAAG
AAAAACAAACCGAAACCTGCCGACAGCAAGTAAACGGCATCCCAGATCCAGTAAATCAGTTTCCATT
CAAGAGGAACAGTCTGCGCCTTCTCAGAGAAAGTGGTATGAATGGCTACCATGTCAATGGTGCCATC
AATGACTGAGTCTGTGGACTCACTCAGTGAAGTTTGGAGACTTTCAATAGATGCCAGAGAATTG
GAGGATCCCGAGTCTGCCATGCTAGATACGCTGGATAGAACAGGATCCATGCTGCAGAATGGTGTCTCT
GATTTTGAGACCAAGTCTTTGACTATGCACTCTATTACAATTCTCAACAACCCAGGAATGCTGCCAAA
TCTCTCTCAAGACCTACCACAGAACTCAGTTTTCAAATATGGGGATGGAAGATGTTCCCTCGCCACC
AGTAAAAAGCTAAGTTCCAATATTGAAAAATCTGTAAAAGACCTCCAGCGCTGCACAGTGTCTTTGCA
CGGTATCGAGTTGTAGTTAAAGAAGAGATGGATGCCTCCATTAAGAAAATGAAACAAGCCTTTGCTGAA
TTGGAGAGCTGTTAATGGATCGAGAAGTGGCGTTGCTTGTGAAATGGACAAAGTGAAGCTGAAGCA
ATGGAATTTTGTCTCAGCCGACAAAAGAAGGCTGAACCTCTAAAGAAGATGACTCATGTGGCTGTCAA
ATGTCAGAGCAGCAATTGGTTGAGCTCAGAGCTGATATCAAGCACTTTGTTAGTGAACGTAATATGAT
GAGGATCTGGGACGAGTAGCCCGTTTCACTGTGATGTAGAGACCCTAAAGAAGAGCATTGATTCATTT
GGACAAGTGTCTCATCAAAGAACAGCTATTCGACCAGATCCCGATGTAGCTCAGTTACATCTGTGTCC
TTGAGTAGCCCAAGTGTGCCTCTGCTTCTTCCACCTGTGCCTCTCTCCAGCCTTACAAGT
GCTAACAAAGAAAACTTTGCACCGGAGAGACTCCTGCAGCCATAGCAAACCTCAGTGGCCAGCCCTAC
CAGCCACTTCGGGAGGTATTGCCAGGAAACAGACGAGGAGGACAGGGCTATAGGCCACAAGGCCAAAAG
TCCAATGACCCCATGAACCAAGGGCGGCATGACAGTATGGGTGTTACAGAAAACAGCTCGTGGTATTCA
TCTGGTCCAGGTATCAGAGTGTCCATCTCAGGCACCAGGAAACACCATTGAAAGAGGCCAGACTCAC
TCTGCAGGGACCAATGAACTGGAGTCAAGTGGAGCCAGCCCTCCACGCCTTCAATCAAAAAGGGG
CTCCCCCAGCGCAAACCCAGGACCTCTCAGACTGAAGCCGTGAACCTCT
ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAAAC
```

**Protein Sequence:**

>Peptide sequence encoded by RG238831  
 Blue=ORF Red=Cloning site Green=Tag(s)

```
MSRKQNQKDSGGIFDLQSNVLAQGGAFENMKEKINAVRAIVPNKSNNEIILVLQHFDCVDTQVQAF
MEGSASEVLKEWTVTGKKNKKNKPKPAAEPSNGIPDSKSVSIQEEQSAPSSSEKGGMNGYHVNGAI
NDTESVDSLSEGLETLSDARELEDPESAMLDLDRGTGSMQNGVSDFTKSLTMHSIHNSQQPRNAK
SLSRPTTETQFSNMGMEDVPLATSKKLSNIEKSVKDLQRCTVSLARYRVVVEEMDASIKKMKQFAE
LESCLMDREVALLAEMDKVKAEMEILLSRQKKAELLKMTMVAVQMSEQLVELRADIKHFVSRKYD
EDLGRVARFTCDVETLKKSIDSFQVSHPKNSYSTRSRSSVTSVSLSSPSDASAASSSTCASPPSLTS
ANKKNFAPGETPAAIANSSGQPYQPLREVLPGNRRGGQYRPGQKSNPMPNQRHDSMGRYRNSWYS
SGSRYQSAPSQAPGNTIERGQTHSAGTNGTGVSMEPSPTPSFKKGLPQRKPRTSQTEAVNS
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_001293286

**ORF Size:** 1635 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).

**RefSeq:** [NM\\_001293286.2](#)

**RefSeq Size:** 3740 bp

**RefSeq ORF:** 1638 bp

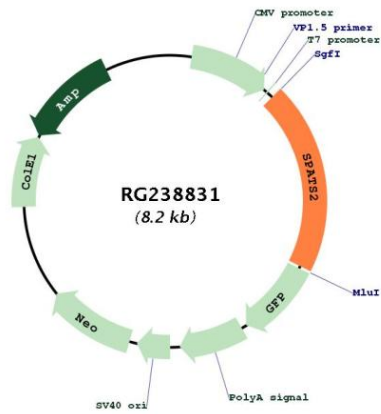
**Locus ID:** 65244

**UniProt ID:** [Q86XZ4](#)

**Cytogenetics:** 12q13.12

**MW:** 60 kDa

Product images:



Circular map for RG238831