

## Product datasheet for **RG207299**

### SPATA12 (NM\_181727) Human Tagged ORF Clone

#### Product data:

|                    |                         |
|--------------------|-------------------------|
| Product Type:      | Expression Plasmids     |
| Tag:               | TurboGFP                |
| Symbol:            | SPATA12                 |
| Synonyms:          | SRG5                    |
| Mammalian Cell     | Neomycin                |
| Selection:         |                         |
| Vector:            | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL)  |

**ORF Nucleotide Sequence:** >RG207299 representing NM\_181727  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGTCCAGTTCTGTCTGACTTGTGGGTCCACCTTAGAAAAGTCAGGAGACACCTGGGAAATGAAGGCAC  
TAGACTCTTCCAGACTCGTTCCATGGCCACCCAGAGGCCTTGGGTACCCACCAACATCCCAACAAACC  
CCACTGTGCACTGGCATCATGCCAGGGTCCAGGTGCTCCTGCCAGGAGCAGCCTCTGCCATCCCAGAGCTG  
ACATTTCAAGGGGATGTGTACCAAGTGAGACCTGTGAGAGATATTTACAAGCAGCCATCTCTTTGACA  
TCGCTGTATCCCAATAAATCTTCTGGGAAGACCCTTTCACCTCCAGCTCTCCTGATACGAAGGCAG  
TTGTGAGCAAGTTATTCATAACTCTACACCTCAATTTCTTGGTATGGAAGATGGGGATAATGAGAGGACC  
ACAGGATGGTTGTGGAGACTGTGTAGGATATAGATGCCGAGCCCAGTAGCACAGGGTGCAGCCGTTCAA  
ACCAACTGACATTTACTGAGGGCTGCTTTGTGAGGTCCCTCTCTACGTATACTCCAACACACACATACA  
CACACATCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG207299 representing NM\_181727  
Red=Cloning site Green=Tags(s)

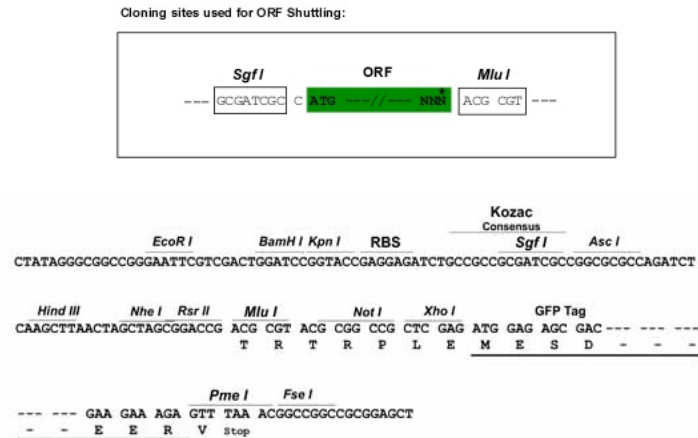
MSSSALTCGSTLEKSGDTWEMKALDSSRLVPWPPRGLGSSTQHPNKPICALASCQPGVLPGAASAIPEL  
TFQGDVYQSETCQRYLQAAISLDIAVSQINLLGRPSSPPALLIQQSCEQVIHNSTPQFLGMEDGDNERT  
TGWLWRLCEDIDAEPSTGCSRSNQLTFTEGCFVRSLSTVYSNTHIHTHL

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI



## Cloning Scheme:



**ACCN:** NM\_181727

**ORF Size:** 570 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.

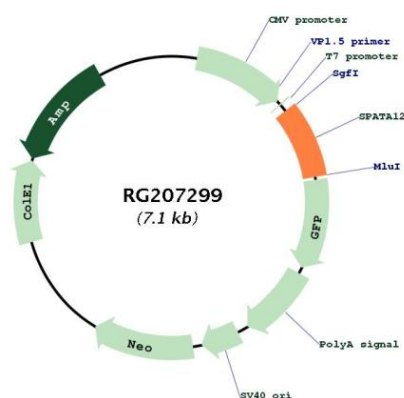
**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** [NM\\_181727.1](#), [NP\\_859078.1](#)

**RefSeq Size:** 2430 bp

|               |                                                                                                                                                                                                                             |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RefSeq ORF:   | 573 bp                                                                                                                                                                                                                      |
| Locus ID:     | 353324                                                                                                                                                                                                                      |
| UniProt ID:   | <a href="#">Q7Z6I5</a>                                                                                                                                                                                                      |
| Cytogenetics: | 3p14.3                                                                                                                                                                                                                      |
| Gene Summary: | This gene is expressed primarily in testis and may play a role in testicular development and spermatogenesis. The encoded protein may be upregulated in response to ultraviolet-C radiation. [provided by RefSeq, Dec 2015] |

### Product images:



Circular map for RG207299