

## Product datasheet for RC207299

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

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** SPATA12 (NM\_181727) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** SPATA12  
**Synonyms:** SRG5  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC207299 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGTCCAGTTCTGCTCTGACTTGTGGGTCCACCTAGAAAAGTCAGGAGACACCTGGGAAATGAAGGCAC  
 TAGACTCTCCAGACTCGTTCATGGCCACCCAGAGGCCCTGGGTATCCACCCAACATCCCAACAAACC  
 CCACTGTGCACTGGCATCATGCCAGGTCCAGGTGTCCTGCCAGGAGCAGCCTCTGCCATCCAGAGCTG  
 ACATTTACAGGGGATGTGTACCAAAGTACAGCCTGTGAGAGATATTTACAAGCAGCCATCTCTTTGACA  
 TCGCTGTATCCCAAATAAATCTTCTGGGAAGACCCTCTCACCTCCAGCTCTCTGATACAGCAAGGCAG  
 TTGTGAGCAAGTTATTCATAACTCTACACCTCAATTTCTTGGTATGGAAGATGGGGATAATGAGAGGACC  
 ACAGGATGGTTGTGGAGACTGTGTGAGGATATAGATGCCGAGCCAGTAGCACAGGGTGCAGCCGTTCAA  
 ACCAACTGACATTTACTGAGGGCTGCTTTGTCAGGTCCCTCTCTACAGTATACTCCAACACACACATACA  
 CACACATCTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC207299 protein sequence  
 Red=Cloning site Green=Tags(s)

MSSSALTCGSTLEKSGDTWEMKALDSSRLVPWPPRGLGSSTQHPNKPICALASCQGPVLPGAASAIPEL  
 TFQGDVYQSETCQRYLQAAISLDIAVSQINLLGRPSSPALLIQQGSCEQVIHNSTPQFLGMEDGDNERT  
 TGWLWRLCEDIDAEPSSSTGCSRNSQLTFTEGCFVRSLSTVYSNTHIHHL

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

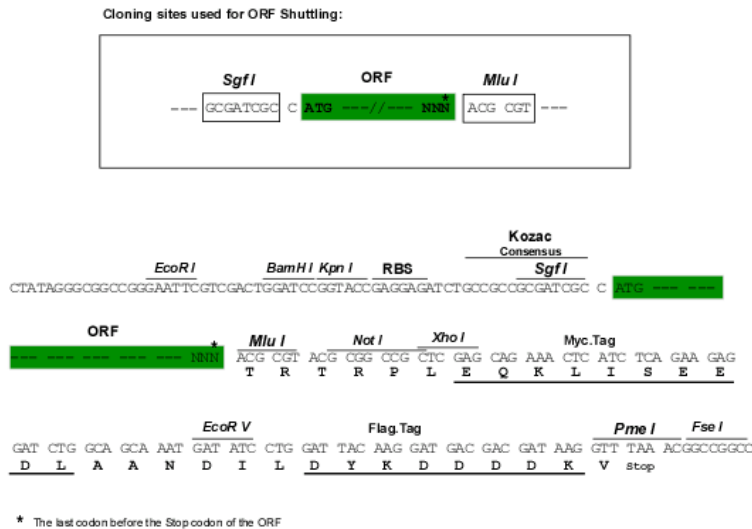


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Chromatograms: [https://cdn.origene.com/chromatograms/mk6546\\_e07.zip](https://cdn.origene.com/chromatograms/mk6546_e07.zip)

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.

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

RefSeq Size: 2430 bp

RefSeq ORF: 573 bp

Locus ID: 353324

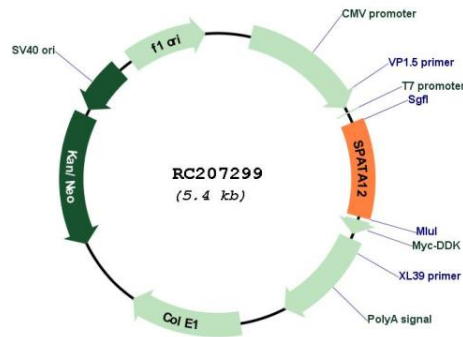
UniProt ID: [Q7Z6I5](#)

Cytogenetics: 3p14.3

MW: 20.5 kDa

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 RC207299