

## Product datasheet for **RC238428**

### **SPATA6 (NM\_001286238) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	SPATA6 (NM_001286238) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SPATA6
Synonyms:	HASH; SRF-1; SRF1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

**ORF Nucleotide Sequence:**

>RC238428 representing NM\_001286238  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGCCGAAGTGAAGGCGCTGCAGTGCGCCCTGGCGCTGGAGATCAGCTCAGTAACCTGCCAGGAGTCG  
 TGCTTAAAGACAAAGAGGACATCTATCTTAGCATCTGTGTGTTTGCCCAATACAAAAAGACACAATGTGT  
 CCCAGCCACTTTTCCCCTGGTCTTCAATGCCAGAATGGTGTGTTGAAAAGGTGTTCCCGGACGCAGTAGAT  
 CCTGGAGATGTGGTTACACAGCTTGAATATGATACAGCAGTGTTCGAGTTGATACAGCTAGTTCCACCAG  
 TGGGTGAAACACTGTCTACGTATGACGAAAATACACGAGATTTTCATGTTCCGGGTCCAAACCAATGTC  
 TGGACACCATGATTCAAACCGCCAGGTTACCATGAGGAGGATTTCTGGCCTTCGAGGAAATGCTCCAAGG  
 CTGGAATTTTCTACGACTTCAGTGATTACTGAATGTCTGATAAGTTCAAGGAAATGCCACACTCAGGATA  
 AATTTATTTACCATTTGGCTCCAGTTGAAAATACATGGCAGACTGCAAAACAGAACATCAAGATCACA  
 AAAGAAAAATCCAAGTCACTGAGAGAAGTAAATACTGTATAAATGCAAAAACTACGAACAGCCTACA  
 ATTTCTTCAAAATCACACTCTCCATCTCCCTACACAAAAGAGCGATGTGTGAGCTATCTGAAGACCA  
 GGCGGCGCTGGCCATTTAAATCTGGGACCCTATGAGTTCAAAAAAGAAACAGATAAACCTCCATTTGT  
 GATTAGACATGTTGATCCCCAAGTCCCAGGGCTGATACTTTATTGGGATCTTCTGGAAGAGACTGTGAA  
 AGAGATGGATGGTCAAGGGTGCACAATGATCATTCTCATCTTGGCTGCTGCCGACCAAGGATTATAAGG  
 TTATCAGGACACCCCATGGGAGAGACTTCGATGACTCTTTAGAAAAATGTGAAGAGTATTTGAGCCCAAG  
 GTCGTGTAGTAAGCCCCGGCATTACGCGAGGACCTTGTAGTCCATTACGACCCCAACAATGCCAAAG  
 CATTCTCCAAGCCCTGTGTTAAATAGAGCTTCTCTCAGGAAAGATTTTCATTCTGATTGGTGTTCACCTT  
 CAAACTGCGATGAGATCCATGACCGGGATGAGAGAGACCTAGAGAAAGATGATGAACCTGGAAGTAAAA  
 AAGTCTTTTATGTAGAGACTCTGCCTATGACAGTGACCCCGAGTATAGCTCATGTGAGCAGCCACGTGGC  
 ACTTTCCATTTGGATGACGGTGAATACTGGTCCAACAGGGCAGCCTTTATAAGGAAAAATCCCACCGAC  
 CCATCTTTGAGAACAGCATGGACAAGATGTACAGGAACTATACAAAAAGGCCTGTAGTTCTGCTTCACA  
 TACACAGGAAAGCTTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC238428 representing NM\_001286238  
 Red=Cloning site Green=Tags(s)

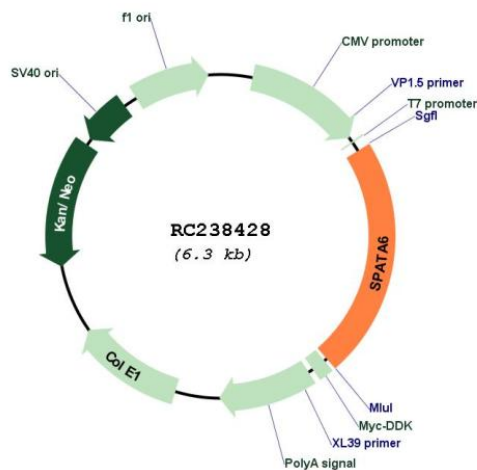
MPKVKALQCALALEISSVTCPGVVLKDKEDIYLSICVFGQYKKTQCVPATFPLVFNARMVFEKVFDPDAVD  
 PGDVVTQLEYDTAVFELIQLVPPVGETLSTYDENTRDFMFPNQMMSGHDSNRQVTMRRIISGLRGNAPR  
 LEFSTTSVITECLISSRKCHTQDKFIYHLAPVEKSHGRLQNRTRSRSQKKKSKSPERSKYCINAKNYEQPT  
 ISSKSHSPSPYTKRRMCELSIEDRRRLAHLNLPYEFKKEIDKPPFVIRHVDPPSPRADTLLGSSGRDCE  
 RDGWSRVHNDHSHLGCRRPKDYKVIPTPHGRDFDSDLEKCEEYLSPRSCSKPRHSARTLLVHSAPSTMPK  
 HSPSPVLNRASLRERFHSWCSNSNCDEIHDRDERDLEKDELELKRSLLCRDSAYDSDPEYSSCQPRG  
 TFHLDDGEYWSNRAASYKGSHPRIIFENSMDKMYRNLYKKACSSASHTQESF

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**

**Plasmid Map:**

**ACCN:**

NM\_001286238

**ORF Size:**

1416 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\\_001286238.2](#)

**RefSeq Size:** 4976 bp

**RefSeq ORF:** 1419 bp

**Locus ID:** 54558

**UniProt ID:** [Q9NWH7](#)

**Cytogenetics:** 1p33

**Protein Families:** Secreted Protein

**MW:** 54.5 kDa

**Gene Summary:** Required for formation of the sperm connecting piece during spermiogenesis. Sperm connecting piece is essential for linking the developing flagellum to the head during late spermiogenesis. May be involved in myosin-based microfilament transport through interaction with myosin subunits.[UniProtKB/Swiss-Prot Function]