

Product datasheet for **RG211501**

SPATA6 (NM_019073) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SPATA6 (NM_019073) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SPATA6
Synonyms:	HASH; SRF-1; SRF1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG211501 representing NM_019073
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGCCGAAGTGAAGGCGCTGCAGTGCGCCTGGCGCTGGAGATCAGCTCAGTAAGTGGCCAGGAGTCG
 TGCTTAAAGACAAAGAGGACATCTATCTTAGCATCTGTGTGTTTGGCCAATACAAAAAGACACAATGTGT
 CCCAGCCACTTTTCCCCTGGTCTTCAATGCCAGAATGGTGTGTTGAAAAGGTGTTCCCGGACGCAGTAGAT
 CCTGGAGATGTGGTTACACAGCTTGAATATGATACAGCAGTGTTCGAGTTGATACAGCTAGTTCACCAG
 TGGGTGAAACACTGTCTACGTATGACGAAAATACACGAGATTTTCATGTTCCGGGTCAAACCAAATGTC
 TGGACACCATGATTCAAACCGCCAGGTTACCATGAGGAGGATTTCTGGCCTTCGAGGAAATGCTCCAAGG
 CTGGAATTTTCTACGACTTCAGTGATTACTGAATGTCTGATAAGTTCAAGGAAATGCCACACTCAGGATA
 AATTTATTTACCATTTGGCTCCAGTTGAAAATACATGGCAGACTGCAAAACAGAACATCAAGATCACA
 AAAGAAAAATCCAAGTCACCTGAGAGAAGTAAATACTGTATAAATGCAAAAACTACGAACAGCCTACA
 ATTTCTTCAAAATCACACTCTCCATCTCCCTACACAAAAAGACGCATGTGTGAGCTATCTGAAGACACCA
 GGCGGCGCTGGCCCATTTAAATCTGGGACCCTATGAGTTCAAAAAGAAACAGATAAACCTCCATTTGT
 GATTAGACATGTTGATCCCCAAGTCCCAGGGCTGATACTTTATTGGGATCTTCTGGAAGAGACTGTGAA
 AGAGATGGATGGTCAAGGGTGACAATGATCATTCTCATCTTGGCTGCTGCCGCCAAGGATTATAAGG
 TTATCAGGACACCCCATGGGAGAGACTTCGATGACTCTTTAGAAAAATGTGAAGAGTATTTGAGCCCAAG
 GTCGTGTAGTAAGCCCCGGCATTACGCGAGGACCTTGTAGTCCATTACGACCCCAACAATGCCAAAG
 CATTCTCCAAGCCCTGTGTTAAATAGAGCTTCTCTCAGGAAAGATTTTCATTCTGATTGGTGTTCACCTT
 CAAACTGCGATGAGATCCATGACCGGGTAAAAATGTCTTGAATCACATCAGGCTCATCAAAGACATTT
 ATATGATGAGAGAGACCTAGAGAAAGATGATGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGT
 GCCTATGACAGTGACCCGAGTATAGCTCATGTACAGCAGCCACGTGGCACTTTCCATTTGGATGACGGTG
 AATACTGGTCCAACAGGGCAGCCTCTTATAAGGGAAAAATCCCACCGACCCATCTTTGAGAACAGCATGGA
 CAAGATGTACAGGAACCTATACAAAAAGGCCTGTAGTTCTGCTTACATACACAGGAAAGCTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG211501 representing NM_019073
 Red=Cloning site Green=Tags(s)

MPKVKALQCALALEISSVTCPGVVLKDKEDIYLSICVFGQYKKTQCVPATFPLVFNARMVFEKVFDPDAVD
 PGDVVTQLEYDTAVFELIQLVPPVGETLSTYDENTRDFMFGPNQMSGHHDSNRQVTMRRI SGLRGNAPR
 LEFSTTSVITECLISSRKCHTQDKFIYHLAPVEKSHGRLQNRTRSQKKKSKSPERSKYCINAKNYEQPT
 ISSKSHSPSPYTKRRMCELSIEDTRRRRLAHLNLPYEFKKEIDKPPFVIRHVDPPSPRADTLLGSSGRDCE
 RDGWSRVHNDHSHLGCCRPKYKIVIRTPHGRDFDSDLEKCEEYLSRSCSKPRHSARTLLVHSAPSTMPK
 HSPSPVLNRASLRERFHSWCSNSCDEIHDRVKNVLSHQAHQRHLYDERDLEKDDLELKRSLLCRDS
 AYDSDPEYSSCQPRGTFHLDGGEYWSNRAASYKGSRHPIFENSMDKMYRNLYKKACSSASHTQESF

TRTRPLE - GFP Tag - V

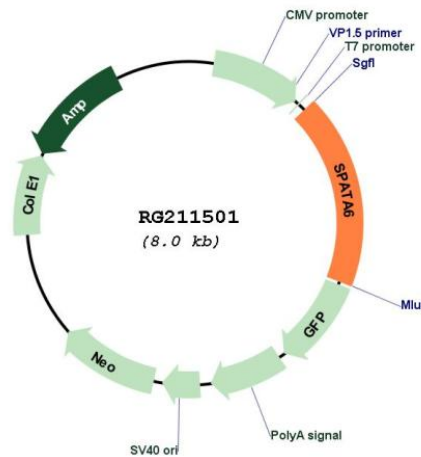
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_019073

ORF Size: 1464 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_019073.4](#)

RefSeq Size: 1739 bp

RefSeq ORF: 1467 bp

Locus ID: 54558

UniProt ID: [Q9NWH7](#)

Cytogenetics: 1p33

Protein Families: Secreted Protein

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]