

Product datasheet for **RC238438**

SPATA6 (NM_001286239) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SPATA6 (NM_001286239) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SPATA6
Synonyms:	HASH; SRF-1; SRF1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC238438 representing NM_001286239
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGCCGAAGGTGAAGGCGCTGCAGTGCGCCCTGGCGCTGGAGATCAGCTCAGTAACCTGCCAGGAGTCG
 TGCTTAAAGACAAAGAGGACATCTATCTTAGCATCTGTGTGTTTGCCAATACAAAAAGACACAATGTGT
 CCCAGCCACTTTTCCCTGGTCTTCAATGCCAGAATGGTGTGTTGAAAAGGTGTTCCCGGACGCAGTAGAT
 CCTGGAGATGTGGTTACACAGCTTGAATTGGGTGAAACACTGTCTACGTATGACGAAAAACACGAGATT
 TCATGTTTCCGGGTCAAACCAATGTCTGGACACCATGATTCAAACCGCCAGGTTACCATGAGGAGGAT
 TTCTGGCCTTCGAGGAAATGCTCCAAGGCTGGAATTTTCTACGACTTCAGTGATTACTGAATGTCTGATA
 AGTTCAAGGAAATGCCACACTCAGGATAAATTTATTTACCATTGGCTCCAGTTGAAAAATCACATGGCA
 GACTGCAAAACAGAACATCAAGATCACAAAGAAAAAATCCAAGTCACCTGAGAGAAGTAAATACTGTAT
 AAATGCAAAAACTACGAACAGCCTACAATTTCTTCAAAATCACACTCTCCATCTCCCTACAAAAAGA
 CGCATGTGTGAGCTATCTGAAGACACCAGCGCGGCTGGCCCATTTAAATCTGGGACCCCTATGAGTTCA
 AAAAAGAAACAGATAAACTCCATTTGTGATTAGACATGTTGATCCCCCAAGTCCAGGGCTGATACTTT
 ATTGGGATCTTCTGGAAGAGACTGTGAAAGAGATGGATGGTCAAGGGTGCACAATGATCATTCTCATCTT
 GGCTGCTGCCGACCCAAGGATTATAAGGTTATCAGGACACCCCATGGGAGAGACTTCGATGACTCTTTAG
 AAAATGTGAAGAGTATTTGAGCCCAAGGTCGTGTAGTAAGCCCCGGCATTACAGCGAGGACCTTGCTAGT
 CCATTGACGACCTCAACAATGCCAAAGCATTCTCAAGCCCTGTGTTAAATAGAGCTTCTCTCAGGAA
 AGATTTTATTCTGATTGGTGTTCACCTTCAAACCTGCGATGAGATCCATGACCGGGTAAAAATGTCTTGA
 AATCACATCAGGCTCATCAAAGACATTTATATGATGAGAGAGACCTAGAGAAAGATGATGAACCTGGAAT
 GAAAAGAAGTCTTTTATGTAGAGACTCTGCCTATGACAGTGACCCCGAGTATAGCTCATGTGACGAGCCA
 CGTGGCACTTTCCATTTGGATGACGGTGAATACTGGTCCAACAGGGCAGCCTCTTATAAGGGAAAAATCCC
 ACCGACCATCTTTGAGAACAGCATGGACAAGATGTACAGGAAGTATACAAAAAGGCCTGTAGTTCTGC
 TTCACATACACAGGAAAGCTTC

ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC238438 representing NM_001286239
 Red=Cloning site Green=Tags(s)

MPKV KALQCALALEISSVTC PGVVLKD KEDIYLSICVFGQYKKTQCV PATFPLVFNARMVFEKVFPDAVD
 PGDVVTQLELGETLSTYDENTRDFMFPGNQMSGHDSNRQVTMRRI SGLRGNAPRLEFSTTSVITECLI
 SSRKCHTQDKFIYHLAPVEKSHGRLQNRTSRSQKKKSKSPERSKYCINAKNYEQPTISSKSHSPSPYTKR
 RMCELS EDTRRRLAHLNLGPYEFK KETDKPPFVIRHVDPPSPRADTLLGSSGRDCERD GWSRVHNDHSHL
 GCCRPKDYKVIRTPHGRDFD DSLEKCEEYLS PRSCSKPRHSARTLLVHSAPSTMPKHSPSPVLN RASLRE
 RFHSDWCSPSNCDEIHDRVKNVLKSHQA HQRLYDERDLEKDDELELKRSLLCRDSAYDS DPEYSSCQQP
 RGT FHLDDGEYWSNRAASYKGKSHRPIFENSMDKMYRNL YKKACSSASHTQESF

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001286239

ORF Size: 1422 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_001286239.1](#), [NP_001273168.1](#)

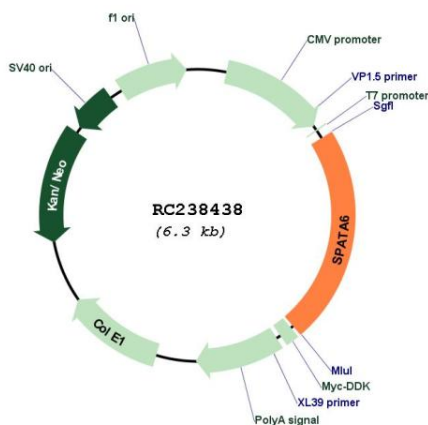
RefSeq Size: 4982 bp

RefSeq ORF: 1425 bp

Locus ID: 54558

Cytogenetics:	1p33
Protein Families:	Secreted Protein
MW:	54.9 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]

Product images:



Circular map for RC238438