

Product datasheet for **RR207169**

Spata18 (NM_199374) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Spata18 (NM_199374) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Spata18
Synonyms:	spetex-1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR207169 representing NM_199374
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCAGAGAAGCTGAAGAAGCTGGCCAAAGTGAATCTTTTCTATCGCTGCAGGATAAAGTCTGCTTCT
 GGGCGAACGACTACCAGACAACTCCTGTGATCAAAATCTAAACTGTTGCATCGAACTCATCGAACAAAGT
 GGCGAAGGTGCAGGCACAGCTCTTTGCAATCCTCACAGCGACAGCCCAAGAAGGGGGACATAATGAGGGT
 GTTGAGACAATCAAGAGTCGCCTTTTGCCTTGTGTCAGACTTCCTTCAGCTCTCTAGGCGTGGGAAAAA
 TTATTCAGACCGAGATCCGTCCTATACAGGATTTCCAACCTAGAAGTAAAAACAGACAAAGTTCTCTGGA
 TCAGGAACAACAGCAGTCGGATGGTGATTCGTTTCATAGAGAGTCAGCCAACCCAGGTTCAAGACGATCTG
 ACTGAAAGTGGAAAGAATCTTGAAGGAACCAAAAACGGATCAGCCATATCCCTCTGGCTGCAGAAGAGG
 AGATAAATCAGCTAAAAAACAGCTCAAATCTCTTCAAGCCAGGAGGATGCCCGCCACAAAACCTCAGA
 GAATCGTCGCGCTGAGATTTCAAGAACCGATCGAAGGCCCTCGGGCAAACGAAATTCAGAACGGCCCCAA
 GATGTGGTGTCCAATATGAGAAACACCTGAAAAATCTCAAGGACGAGATAGCTGTCTTGTCTGCTGAGA
 AAAGTGGTCTCCAGGCAAGTCATAGGCAGACCAGGAGCCGGTCTCCTAGCCCAGGCCCCCGAGGCCCCCG
 CGGGCCCCGTGGCCGCCCGCTAGCCGCAGCCACAGCCGAGCCACAGCCGACGCCACAGCCGACGCCAC
 AGCCACAGCAACAGCCACAGCAACAGCCGATCCAATAGTCCCTGCACCACAGTGGCCAAGATCAGAAGCC
 CGTCCCCAAACCGTTCCAAAATGTCCAGTGTGGCTCGCAAAGCAGCTCTCCTGTCCCGATTACAGCGACGC
 CTATTCAGGCCCGCTGGATGCACAGTGCCTACTGCGCGTTCGATCGACAGGGCTGAGACAGTGCAG
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 GGGTGAGGAAGATGCTGACGCCATCACAGTGGGATCCAATGACTTTGAGACCCGAGTCTCTGACTATAT
 CGTTTGTCTGACCTATATGACTCTCAAAGCAGTGTCAATGATGTGATCCGTGCCATGAACGTCAAC
 CCAAGATCTCATTCCCTCCGGAAGTTGACTTCTGCCTCCTCACTGACTTCATCCAGGAGATTTGTGTGA
 TTGCTTTTGCATGCAGTCTTAGAGCCACCCCTTGATATCGCATTTGGGGCAGACGGAGAAGTCTTTAA
 CGAGGCCAAGTACCGCCGACGCTATGACTCGGACTTCACGGCTCCCTTGGTCTTTTATCAGTGTGGCCT
 GCTCTCATGGAGAACGACTGTGTCATTATGAAGGGAGAAGCTGTCACCAAGAGAGGGGCTTTTTGGACCA
 CTGTTTCGACCAGTAATGCGATGCCGTAGCAGGAGCTTAAGTCCCATCTGTCTCCTGATGCTGTTCCGAAT
 AAGCACGGTACATTCTGTGTAACCATTCTGCAGACGACCTTGTATCTCGGAGTCGAAGTCTTCGCCA
 ATAAGGTGTACATTCCGAAGGTAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR207169 representing NM_199374
 Red=Cloning site Green=Tags(s)

MAENLKKLAQSESFLSLQDKVCFWANDYQTNQDQNLNCCIELIEQVAKVQAQLFAILTATAQEGGHNEG
 VETIKSRLPLQLTSSFLGVGKIIQTEIRPIQDFQLRSKNRQSSLDQEQQQSDGDSFIESQPTQVQDDL
 TESGKNLEGTKNGSAISLLAAEEEEINQLKKQLKSLQAQEDARHKTSENRRAEISRDRRPSGKRNSERPQ
 DVVSNEYKHLKLNKDEIAVLSAEKSLQASHRQTRSRSPSPGPRGPRGPRGRRRSRSHSRSHSRSHSRSH
 SHSNHSNSRSNSPCTTVAKIRSPSPNRSKMSSVARKAALLSRFSDAYSQARLDAQLLRRCIDRAETVQ
 RIIYIATVEAFHIAKMAFRHFKIRVRKMLTPSHVGSNDFETAVSDYIVCHLDLYDSQSSVNDVIRAMNVN
 PKISFPPEVDFCLLTDFIQEICCIAMQSLPEPLDIAFGADGEVFNEAKYRRSYSDSFTAPLVFYHVWP
 ALMENDCVIMKGEAVTKRGAFWTTVRPVMRCRSRSLSPICPRSRFGISTVHSCVTIPADDLVSRSPSPSP
 IRCTFARY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

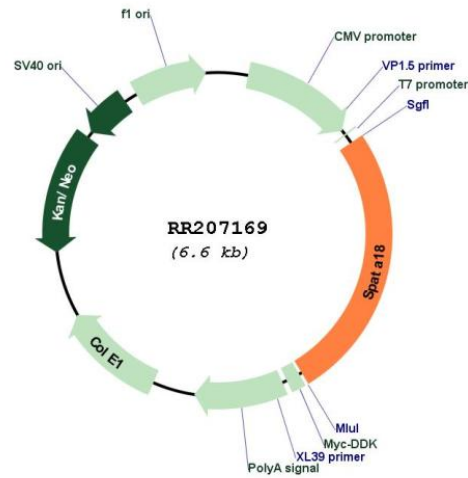
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_199374
 ORF Size: 1704 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:	<ol style="list-style-type: none">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_199374.2 , NP_955406.2
RefSeq Size:	2052 bp
RefSeq ORF:	1707 bp
Locus ID:	289586
UniProt ID:	Q6AYL6
Cytogenetics:	14p11
MW:	63.9 kDa
Gene Summary:	may play a role in differentiation of late elongate spermatids to mature spermatozoa [RGD, Feb 2006]