

Product datasheet for **RN207169**

Spata18 (NM_199374) Rat Untagged Clone

Product data:

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



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Fully Sequenced ORF: >RN207169 representing NM_199374
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCAGAGAACTGAAGAAGCTGGCCAAAGTGAATCTTTTCTATCGCTGCAGGATAAAGTCTGCTTCT
 GGGCGAACGACTACCAGACAACTCCTGTGATCAAAATCTAAACTGTTGCATCGAACTCATCGAACAAAGT
 GGCGAAGGTGCAGGCACAGCTCTTTGCAATCCTCACAGCGACAGCCCAAGAAGGGGGACATAATGAGGGT
 GTTGAGACAATCAAGAGTCGCCTTTTGCCTTGTGTCAGACTTCCTTCAGCTCTCTAGGCGTGGGAAAA
 TTATTCAGACCGAGATCCGTCCTATACAGGATTTCCAACCTAGAAGTAAAAACAGACAAAGTTCTCTGGA
 TCAGGAACAACAGCAGTCGGATGGTGATTCGTTTCATAGAGAGTCAGCCAACCCAGGTTCAAGACGATCTG
 ACTGAAAGTGGAAAGAATCTTGAAGGAACCAAAAACGGATCAGCCATATCCCTCTGGCTGCAGAAGAGG
 AGATAAATCAGCTAAAAAACAGCTCAAATCTCTTCAAGCCAGGAGGATGCCCGCCACAAAACCTCAGA
 GAATCGTCGCGCTGAGATTTCAAGAACCGATCGAAGGCCCTTCGGGCAAACGAAATTCAGAACGGCCCAA
 GATGTGGTGTCCAATATGAGAAACACCTGAAAAATCTCAAGGACGAGATAGCTGTCTTGTCTGCTGAGA
 AAAGTGGTCTCCAGGCAAGTCATAGGCAGACCAGGAGCCGGTCTCCTAGCCCAGGCCCCCGAGGCCCCCG
 CGGGCCCCGTGGCCGCCGCCGTAGCCGCAGCCACAGCCGAGCCACAGCCGACAGCCGACAGCCGACGCCAC
 AGCCACAGCAACAGCCACAGCAACAGCCGATCCAATAGTCCCTGCACCACAGTGGCCAAGATCAGAAGCC
 CGTCCCCAAACCGTTCAAAAATGTCCAGTGTGGCTCGCAAAGCAGCTCTCCTGTCCCGATTCAGCGACGC
 CTATTCAGGCCCGCTGGATGCACAGTGCCTACTGCGCGTTCGATCGACAGGGCTGAGACAGTGCAG
 CGGATCATTACATCGCCACAGTGGAGGCATTTACATAGCTAAAATGGCATTCAAGCATTCAAGATCC
 GGTGAGGAAGATGCTGACGCCATCACACGTGGGATCCAATGACTTTGAGACCCGAGTCTCTGACTATAT
 CGTTTGTCTGACCTATATGACTCTCAAAGCAGTGTCAATGATGTGATCCGTGCCATGAACGTCAAC
 CCAAGATCTCATTCCCTCCGGAAGTTGACTTCTGCCTCCTCACTGACTTCATCCAGGAGATTTGTGTGA
 TTGCTTTTGCATGCAGTCTTAGAGCCACCCCTTGATATCGCATTGGGGCAGACGGAGAAGTCTTTAA
 CGAGGCCAAGTACCGCCGACGCTATGACTCGGACTTCACGGCTCCCTTGGTCTTTTATCAGTGTGGCCT
 GCTCTCATGGAGAACGACTGTGTCATTGAAGGGAGAAGCTGTCACCAAGAGAGGGGCTTTTTGGACCA
 CTGTTTCGACAGTAATGCGATGCCGTAGCAGGAGCTTAAGTCCCATCTGTCTCGTAGTCGTTTCGGAAT
 AAGCACGGTACATTCTGTGTAACCATTCTGCAGACGACCTTGATCTCGGAGTCGAAGTCTTCGCCA
 ATAAGGTGTACATTTCGAAGGT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_199374
- Insert Size:** 1707 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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_199374.2](#), [NP_955406.2](#)

RefSeq Size: 2052 bp

RefSeq ORF: 1707 bp

Locus ID: 289586

UniProt ID: [Q6AYL6](#)

Cytogenetics: 14p11

Gene Summary: may play a role in differentiation of late elongate spermatids to mature spermatozoa [RGD, Feb 2006]