

Product datasheet for **RR209641**

Spata19 (NM_134384) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Spata19 (NM_134384) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Spata19
Synonyms: Spas1; spergen-1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR209641 representing NM_134384
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGATCATTACAACATGGATTATGTACATCTTGGCCCGGAAGAGCATAGGGCTACCCCTTCCACCAAGGG
TGAACCTCGGACATTGAAGTTGAAGAACTGAGGCTGTATCTGTTGTGCAGCACTGGTTGAACAAAACCTGA
AGAAGAGGCTTCTCGGAGCATAAAGGAGAAGATATCCATTAACGACCCTTGCACCCAGGGACATGACATA
CATGTGACCAGAGATTTGGTGAAGCACCGTCTCTCAAAGTGTGACATGTTAACGGACCCGAATCAAGAAG
TCCTGGAGGAAAGAACAAGGATCCAGTTTATAAGTGGAGCCACACCCGTATCTTCCAAGTGCCAAGTGA
AATGATGGATGACGTCAATCAGGAGCGAATAGATCAAGTGAGACGGAGCGTCTCTCATCTCAGGTGTGAC
TCCTCCAGTGATCCATGCTACAGAAATCTTGCTCAGAATGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR209641 representing NM_134384
Red=Cloning site Green=Tags(s)

MIITTWIMYILARKSIGLPFPPRVNSDIEVEETEAVSVVQHWLNKTEEEASRSIKEKISINDPCTQGHDI
HVTRDLVKHRLSKCDMLTDPNQEVLEERTRIQFIRWSHTRIFQVPSEMMDDVIQERIDQVRRSVSHLRCD
SSSDPCYRNSCSEC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

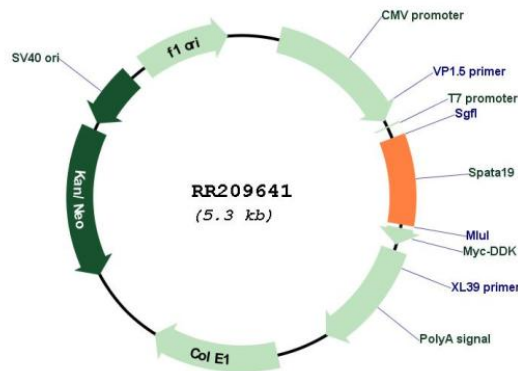
Restriction Sites: Sgfl-MluI



Cloning Scheme:



Plasmid Map:



ACCN: NM_134384

ORF Size: 462 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:	<u>NM_134384.1, NP_599211.1</u>
RefSeq Size:	664 bp
RefSeq ORF:	465 bp
Locus ID:	171403
UniProt ID:	<u>Q920Q3</u>
Cytogenetics:	8q13
MW:	18 kDa
Gene Summary:	has a N-terminal mitochondria-targeting signal which is involved in spermiogenesis [RGD, Feb 2006]