

Product datasheet for RC236215

SPATA19 (NM_001291992) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SPATA19 (NM_001291992) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SPATA19
Synonyms:	CT132; SPAS1; spergen1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC236215 representing NM_001291992 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGATAATTACGACATGGATTGTGTATATTCTTGCTCGGAAAGGTGTAGGGCTTCCCTTCTACCAATAA
CCAGTTCGGACATTGACGTTGTGGAAAGTGAGGCTGTGTCTGTACTACATCATTGGTTGAAAAAACAGA
AGAAGAGGCTTCTCGGGCATAAAGGAAAAGCTGTCCATCAACCACCCTCCAGGGTGAAGGGAGAAG
ATGTCCACTGACTCCCCTCCCACCCATGGCCAGGACATCCACGTGACCAGAGATGTGGTGAAGCACCACC
TCTCTAAGTCTGATTTGTGGCAAACCAGAGCCAAGAGGTCCTAGAGGAGAGAACACGAATCCAGTTCAT
AAGATGGAGCCACACTCGTATCTTCCAAGTGCCAAGTGAGATGACAGAGGACATCATGCGAGATCGAATA
GAGCAGGTGAGACGAAGCATATCCCGTCTTACAGATGTCTCAGCTCAGGACTTCAGTATGAGACCCTCT
CCTCAGACTGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RC236215 representing NM_001291992 Red=Cloning site Green=Tags(s)
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MIITTWIVYILARKGVLPFLPITSSDIDVVESEAVSVLHHWLKTEEEASRGIKEKLSINHP SQGVREK
MSTDSPPTHGQDIHVTRDVVKHHLKSKDLLANQSQEVLEERTIQFIRWSHTRIFQVPSEMEDIMRDR
EQVRRSISRLTDVSAQDFSMRPSSDC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:	https://cdn.origene.com/chromatograms/ja1449_e07.zip
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Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001291992

ORF Size: 501 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_001291992.2](#)

RefSeq Size: 793 bp

RefSeq ORF: 504 bp

Locus ID: 219938

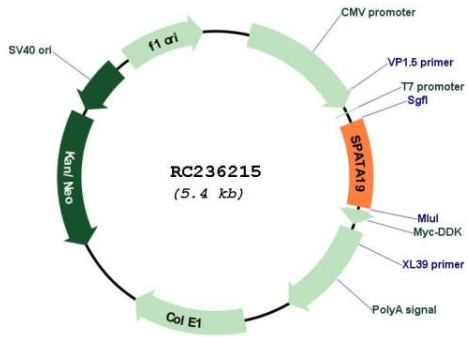
UniProt ID: [Q7Z5L4](#)

Cytogenetics: 11q25

MW: 19.2 kDa

Gene Summary: May have a role in spermiogenesis.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC236215