

Product datasheet for MR219835

Spata19 (NM_029299) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Spata19 (NM_029299) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Spata19
Synonyms: 1700001L23Rik; AV047838; spergen-1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR219835 representing NM_029299
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGATCATTACAACATGGATTATGTACATCTTTGCCCGAAAACCGTAGGGCTACCCCTCCACCAAGGG
TGAACCGGACATTGAAGTTGAAGAAAGCGAAGCTGTATCCGTTGTGCAGCACTGGTTGAACAAAACGGA
AGAGGAGGCTTCTCGGAGCATAAGGGAGAAGATGTCCATCAACGACTCTCCACCCATGGACATGACATA
CATGTGACCAGAGATTTGGTGAACACCATCTCTCAAAGTCTGATATGTTAACAGACCCGAGTCAAGAAG
TCCTGGAGGAAAGAACAAGGATCCAGTTTATAAGATGGAGCCACACCCGTATCTTCCAAGTGCCAAGTGA
AGTGATGGATGACGTATGCAGGAACGAATAGATCAAGTGAGACGAAGCGTATCTCATCTCATGTGTGAC
TCGTACAATGATCCAAGCTTCAGGACTTCTTGCTCAGAATGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR219835 representing NM_029299
Red=Cloning site Green=Tags(s)

MIITTWIMYIFARKTVGLPFPFPRVNSDIEVEESEAVSVVQHWLNKTEEEASRSIREKMSINDSPTHGHI
HVTRDLVKHHLKSDMLTDPQEVLEERTRIQFIRWSHTRIFQVPSEVMDDVMQERIDQVRRSVSHLMCD
SYNDPSFRTSCSEC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



Cloning Scheme:


ACCN: NM_029299

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:**
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_029299.3](#), [NP_083575.1](#)

RefSeq Size: 696 bp

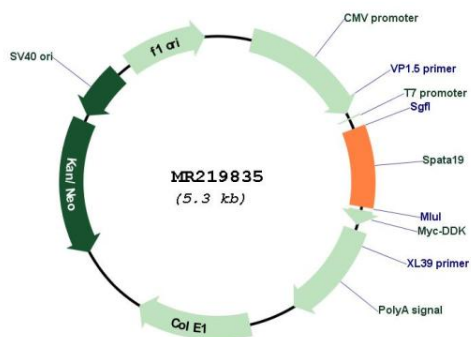
RefSeq ORF: 465 bp

Locus ID: 75469

UniProt ID: [Q9DAQ9](#)

Cytogenetics: 9 A4
 MW: 18.5 kDa
 Gene Summary: May have a role in spermiogenesis.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR219835