

Product datasheet for **RR203608**

Spink13 (NM_001109539) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Spink13 (NM_001109539) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Spink13
Synonyms: Spink5l3
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR203608 representing NM_001109539
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGACAAGAAGGGGCTGCTGGCCACACAGGATCATCTTCTCCCTCATACTTTGACTTGGACACATGTTA
 CTTTAGCAGCACTTATCAGATCACATACCTTTTCTAACTGGCCTAAGCCCCATGCAAAATGTATTACCC
 AATAGACCCTGATTATGAAGCAAAGTCCAGATGTGATAGCGCTGGTTTGTGCTACCAATGGCTTGAAC
 TACAAGAACGAGTGCTTCTTTGCATTGATCGGTGGGAGTTTGGACCTCACATCGAGTTTGTCAAATATG
 GAAAATGTGAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR203608 representing NM_001109539
 Red=Cloning site Green=Tags(s)

MTRRGCPHRIIFSLILLTWHTLAALIRSHTFSNWPCKPPCKMYYPIDPDYEANCPDVIALVCATNGLN
 YKNECFFCIDRWEFGPHIEFVKYKCE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

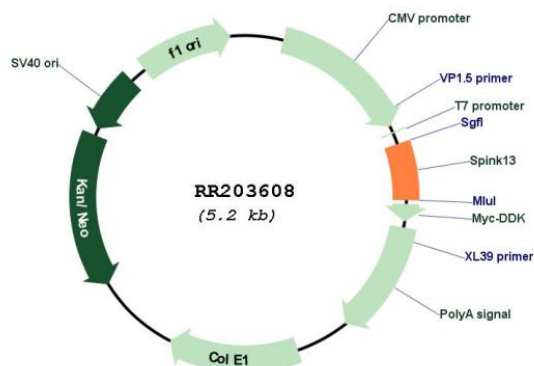


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Cloning Scheme:



Plasmid Map:



ACCN: NM_001109539

ORF Size: 291 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](#)

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|-------------------------------|---|
| 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_001109539.1 , NP_001103009.1 |
| RefSeq Size: | 653 bp |
| RefSeq ORF: | 294 bp |
| Locus ID: | 689570 |
| UniProt ID: | D3ZVP0 |
| Cytogenetics: | 18q12.1 |
| MW: | 11.4 kDa |
| Gene Summary: | May be a serine protease inhibitor (By similarity). Essential for sperm maturation and fertility. Inhibits sperm acrosome reaction, protecting sperm from premature reaction. [UniProtKB/Swiss-Prot Function] |