

Product datasheet for **RR210534**

Spa17 (NM_053482) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Spa17 (NM_053482) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Spa17
Synonyms: Sp17
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RR210534 representing NM_053482
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCGATTCTTTCTCCAACACCCACTACCGAATCCACAAGGATTTGGAAATCTTCTTGAAGGGCTGA
CACGGGAGATTCTGAGGGAGCAACCGACAATATACCAGCTTTTGCCGACGCGTATTTTGAGAACCCTTCT
AGAGAAAAGAGAGAAAACCAGCTTTGATCCAGCAGAATGGGGGCTAAGGTAGAGGACCGCTTCTATAAC
AACCACGCATTCAAGGACCCAGAACAAGCTGAAAAATGTGAACAAGAAATAGCCAAGGCATCTGGAAGAG
AAGAAACACCAGTCACTCCCTTCGAGGAGTCTACTGAGGAAGAAAGAGAACAAGAGGAGGCAGCTGTCAA
AATCCAGTCTGCCTTCGGGGACACGTGGCTAGAGAAGAGGTAAGAAGATGAAGTCAGATAAGAGTGAG
AACGTGAAAGAAGAGGAGAACAAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR210534 representing NM_053482
Red=Cloning site Green=Tags(s)

MSIPFSNTHYRIPQGFNLLLEGLTREILREQPDNIPAFAAAYFENLLEKREKTSFDPAEWGAKVEDRFYN
NHAFKDPEQAEKCEQEIAKASGREETPVTPFEESTEEEREQEEAAVKIQSAFRGHVAREEVKMKMSDKSE
NVKEEENN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



Cloning Scheme:


ACCN: NM_053482

ORF Size: 444 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_053482.1](#), [NP_445934.1](#)

RefSeq Size: 447 bp

RefSeq ORF: 447 bp

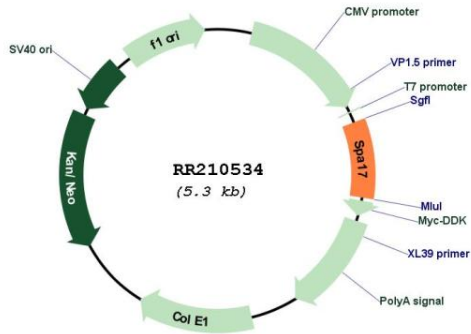
Locus ID: 85244

Cytogenetics: 8q21

MW: 17.1 kDa

Gene Summary: component of sperm acrosome; binds A-kinase anchoring protein 3 (Akap3); thought to be involved in fertilization by binding to the zona pellucida of the oocyte [RGD, Feb 2006]

Product images:



Circular map for RR210534