

Product datasheet for **RR201732**

Sec14l3 (NM_022608) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sec14l3 (NM_022608) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Sec14l3
Synonyms:	Spf2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR201732 representing NM_022608 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGAGTGGCCGAGTTGGAGACCTGAGCCCCAAGCAGGCAGAGACCCTGGCCAAGTTCGAGAAAAATGTCC
 AGGATGTGCTGCCCGCCCTGCCAAACCCTGATGACTATTTTCTTCTCGTTGGCTCCGAGCTCGAACTT
 TGACCTACAGAAATCAGAGGCCATGCTCCGCAAGTACATGGAGTTCGGAAGACCATGGACATTGATCAC
 ATCCTTGACTGGCAGCCCCAGAGGTGATCCAGAAGTACATGCCCGAGGCCTGTGTGGCTATGACCGGG
 ACGGCTGCCCTTTGTGGTATGACATCATCGGGCCACTGGACCCAAAGGGCTGCTTTTCTCAGTCACCAA
 GCAGGACCTGTTGAAGACTAAGATGAGGGACTGTGAACGTATCCTGCACGAGTGTGACCTGCAGACAGAG
 CGGCTGGGGAGGAAGATTGAAACCATTGTGATGATATTTGACTGTGAAGGTCTGGGACTGAAGCACTTCT
 GGAAACCTCTGGTGGAAGTGTACCAGGAGTTCTTTGGCCTCCTTGAAGAGAATTACCCAGAGACCCTGAA
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 GAGGACACACGGAGGAAGATTGTAGTGTGGGAAACAGCTGGAAGAAGTTTGTGAAACTCATCAGTC
 CTGAGGAAGTGCCTGCCATTTTGGGGGACACTCACTGACCCAGATGGGAATCCCAATGTTTAACCAA
 GATCAACTACGGTGGGGAGATTCCTCAAGTCCATGTATGTGCGTGACCAGGTGAAGACCCAGTATGAGCAC
 TCGGTGCAGATTAGCCGCGGCTCCTCCATCAGGTGGAATACGAGATCCTGTTCCAGGCTGCGTCCTCA
 GGTGGCAGTTCTCATCTGATGGAGCAGACATTGGCTTTGGAGTTTCTCAAGACCAAGATGGGGGAGAG
 GCAGAAGGCAGGGGAGATGACCGAGGTGCTAACCGCCAGCGCTACAATGCCACATGGTGCCTGAGGAT
 GGGAGCCTCACCTGCACCGAGGCTGGTGTCTATGTCTGCGCTTTGACAACCTATAGCTTCGTCCATG
 CCAAGAAGGTCAGCTTACGGTTGAAGTCTTCTCCAGATGAGGGCATGCAGAAGTACGATGAGGAGCT
 CACCCCTATC

A**CGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >RR201732 representing NM_022608
 Red=Cloning site Green=Tags(s)

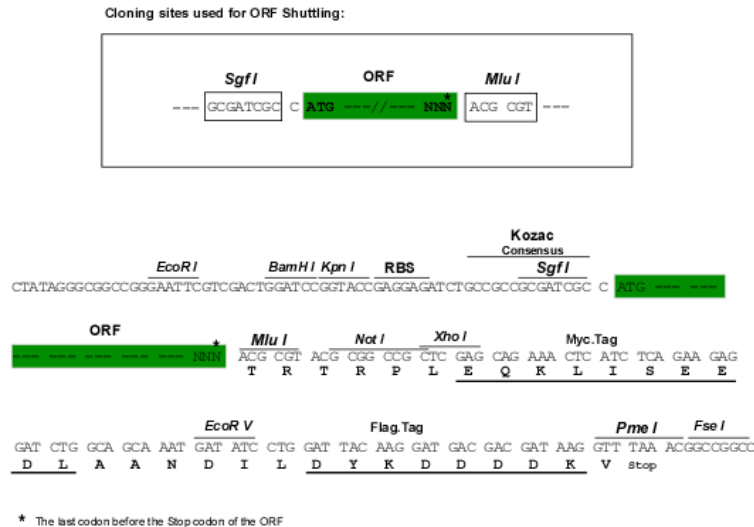
MSGRVGDLSPKQAETLAKFRENVDVLPALPNPDDYFLLRWLRARNFDLQKSEAMLRKYMFRKTMIDIH
 ILDWQPPEVIQKYMPPGLCGYDRDGCPLWYDIIGPLDPKGLLF SVTKQDLLKTKMRDCERILHECDLQTE
 RLGRKIETIVMIFDCEGLGLKHFWKPLVEVYQEFFGLLEENYPETLKFMILV KATKLPVGYNLMPFLS
 EDTRRKIVVLGNSWKEGLLKLISPEELPAHFGGTLTDPDGNPKCLTKINYGGEIPKSMYVRDQVKTYEH
 SVQISRGSSHQVEYIILFPGCVLRWQFSSDGADIGFVFLKTKMGERQKAGEMTEVLT SQRYNAHMPED
 GSLTCTEAGVYVLRFDNTYSFVHAKKVSTVEVLLPDEGMQKYDEEL TPI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_022608

ORF Size: 1200 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_022608.1, NP_072130.1

RefSeq Size: 1595 bp

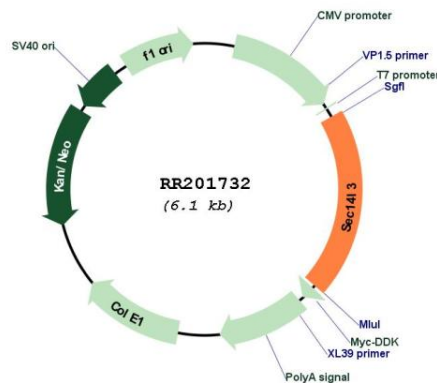
RefSeq ORF: 1203 bp

Locus ID: 64543

Cytogenetics: 14q21

MW: 46 kDa

Product images:



Circular map for RR201732