

## Product datasheet for RR215384

### Sec14I2 (NM\_053801) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Sec14I2 (NM_053801) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Sec14I2
Synonyms:	Spf
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR215384 representing NM_053801 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGAGCGGGAGAGTCGGTGACCTGAGCCCCAACAGGAGGAGGCACTGGCCAAGTTTCGAGAAAATGTCC  
AGGACGTGCTGCCTGCCCTGCCAATCCAGATGACTACTTCTCCTTCGATGGCTCCGAGCCGAAGCTT  
TGACCTGCAGAAGTCGGAGGCCATGCTCCGGAAGCATGTGGAATTCGGAAGCAAAGGACATTGACAAA  
ATCATCAGCTGGCAGCCACCAGAGGTGATCCAACAGTATCTGTACGGCGCCGGTGTGGGTATGACCTGG  
ACGGCTGCCCTGTCTGGTATGACATCATCGGCCCACTGGATGCCAAGGGTCTGCTGTTCTCCGCCTCCAA  
GCAAGACCTGCTCAGGACCAAGATGAGAGATTGTGAGCTGCTTCTGCAGGAGTGCACCCATCAGACCCGA  
AAGCTAGGGAAGAAGATAGAGACCATCACCATGATTTACGACTGTGAGGGACTCGGCCTCAAGCACCTCT  
GGAAACCTGCAGTGGAGGCTATGGAGAGTTTCTCACCATGTTTGAGGAGAACTATCCTGAAACGCTGAA  
GCGGCTGTTCTCGTTAAAGCCCCAAGCTGTTCCAGTGGCCTACAACCTCATCAAGCCCTTCTGAGT  
GAGGACACTAGGAAGAAGATCATGGTTCTGGGAGCAAACCTGGAAGGAGGTTTTACTCAAACACATCAGCC  
CCGACCATTGCCTGTGGAGTATGGAGGCACCATGACGGACCCGTATGGAACCCCAAGTGTAATCCAA  
GATCAACTATGGGGTGACATCCCAAGCAGTATTACGTGCGAGACCAGGTGAAGCAGCAGTATGAACAC  
AGTGTGCAGATCTCCCGAGGCTCCTCCCAAGTAGAGTATGAGATTCTTTTCCCGGCTGCGTCTCA  
GGTGGCAGTTTATGTCGGAGGGATCAGACGTGGGTTTTGGGATTTTCTGAAGACCAAGATGGGGGAACG  
GCAGCGGGCAGGGGAGATGACGGAGGTGCTGCCTAACCAGAGATAACAATCCCACATGGTCCCTGAGGAT  
GGGACCCTCACCTGCAGTGAAGCAGGCATCTATGTCTACGGTTTGACAACACCTACAGTTCATCCATG  
CCAAGAAAGTCAGTTTCACTGTGGAGGTCTGCTTCCAGACAAAGCAGCAGAAGAGAAGTTGAATCAGCA  
GGGGACAGTCACCCCAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >RR215384 representing NM\_053801  
 Red=Cloning site Green=Tags(s)

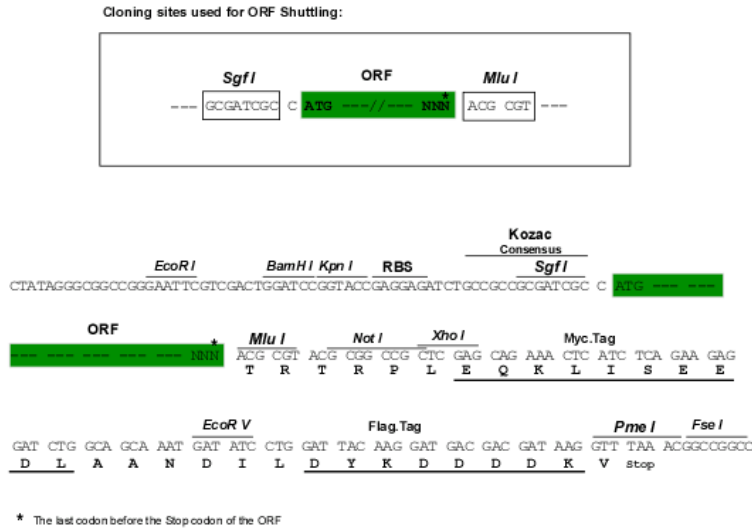
MSGRVGDLSPKQEEALAKFRENVDVLPALPNPDDYFLLRWLRARSFDLQKSEAMLRKHVEFRKQKIDIK  
 IISWQPPEVIQQYL SGGRCGYDL DGCPVWYDI IGPLDAKGLLFSASKQDLLRTKMRDCELLLQECTHQTA  
 KLGKKIETITMIYDCEGLGLKHLWKPAVEAYGEFLTMFEENYPETLKRFLFVVKAPKLPVAYNLIKPFLS  
 EDTRKKIMVLGANWKEVLLKHI SPDQLPVEYGGTMTDPDGNPKCKSKINYGDI PKQYYVVDQVKQYEH  
 SVQISRGS SHQVEYEILFPGCVLRWF MSEGSDVGFIFLKTMMGERQRAGEMTEVLPNQRYNSHMVPED  
 GLTLCSEPGIYVLRFDNTYSFIHAKKVSFTVEVLLPDKAAEEKLNQGGTVTPK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

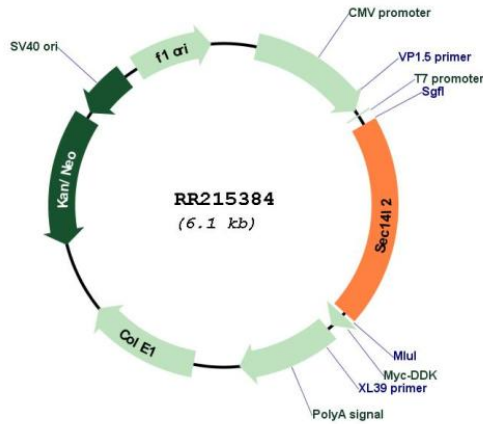
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM\_053801

<b>ORF Size:</b>	1209 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_053801.2</a> , <a href="#">NP_446253.2</a>
<b>RefSeq Size:</b>	2614 bp
<b>RefSeq ORF:</b>	1212 bp
<b>Locus ID:</b>	116486
<b>Cytogenetics:</b>	14q21
<b>MW:</b>	46.2 kDa
<b>Gene Summary:</b>	increases the activity of squalene epoxidase, which catalyzes the conversion of squalene to squalene 2,3-epoxide in cholesterol biosynthesis; may act as a cytosolic squalene transfer protein [RGD, Feb 2006]