

Product datasheet for **RC232474**

SEC14 like protein 2 (SEC14L2) (NM_001204204) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SEC14 like protein 2 (SEC14L2) (NM_001204204) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SEC14L2
Synonyms:	C22orf6; SPF; TAP; TAP1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC232474 representing NM_001204204 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAGCGGCAGAGTCGGCGATCTGAGCCCCAGGCAGAAGGAGGCATTGGCCAAGTTTCGGGAGAATGTCC
AGGATGTGCTGCCGGCCCTGCCGAATCCAGATGACTATTTCTCCTGCGTTGGCTCCGAGCCAGAAGCTT
CGACCTGCAGAAGTCGGAGGCCATGCTCCGGAAGTTGGGGAGGAAGGTGGAGACCATCACCATAATTTAT
GACTGCGAGGGGCTTGGCCTCAAGCATCTCTGGAAGCCTGCTGTGGAGGCCTATGGAGAGTTTCTCTGCA
TGTTTGAGGAAAATTATCCCGAAACACTGAAGCGTCTTTTTGTTGTTAAAGCCCCAAACTGTTTCTGT
GGCCTATAACCTCATCAAACCTTCTGAGTGAGGACACTCGTAAGAAGATCATGGTCTGGGAGCAAAAT
TGGAAAGGAGGTTTTACTGAAACATATCAGCCCTGACCAGGTGCCTGTGGAGTATGGGGCACCATGACTG
ACCCTGATGGAACCCCAAGTGCAATCCAAGATCAACTACGGGGGTGACATCCCAGGAAGTATTATGT
GCGAGACCAGGTGAAACAGCAGTATGAACACAGCGTGCAGATTTCCCGTGGCTCCTCCACCAAGTGGAG
TATGAGATCCTCTTCCCTGGCTGTGTCTCAGGTGGCAGTTTATGTCAGATGGAGCGGATGTTGGTTTTG
GGATTTTCTGAAGACCAAGATGGGAGAGAGGCAGCGGGCAGGGGAGATGACAGAGGTGCTGCCAACCA
GAGGTACAACCTCCACCTGGTCCCTGAAGATGGGACCCTCACCTGCAGTATCCTGGCATCTATGTCCTG
CGTTTTGACAACCTACAGCTTCATTCATGCCAAGAAGGTCAATTTCACTGTGGAGTCTGCTTCCAG
ACAAAGCCTCAGAAGAGAAGATGAAACAGCTGGGGCAGGCACCCCGAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC232474 representing NM_001204204
Red=Cloning site Green=Tags(s)

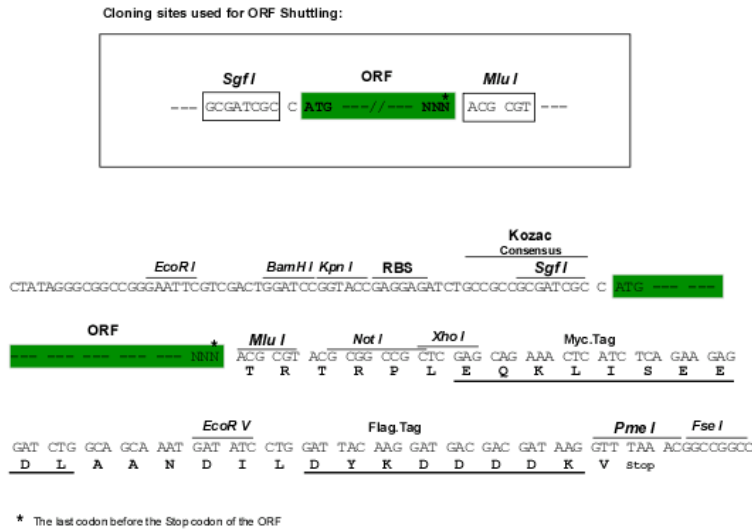
MSGRVGDLSPRQKEALAKFRENVDVLPALPNPDDYFLLRWLRARFDLQKSEAMLRKLGRKVETITIIY
 DCEGLGLKHLWKPAVEAYGEFLCMFEENYPETLKRLFVVKAPKLPVAYNLIKPFLSEDTRKKIMVLGAN
 WKEVLLKHISPDQVPVEYGGTMTDPDGNPKCKSKINYGDDIPRKYVVRDQVKQQYEHSVQISRGSSHQVE
 YEILFPGCVLRWQFMSDADVGFIFLKTGMGERQRAGEMTEVLPNQRYNSHLVPEDGTLTCSDPGIYVL
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

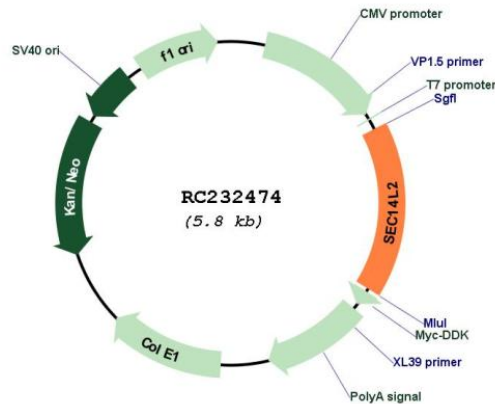
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001204204

ORF Size: 960 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:	<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_001204204.3
RefSeq Size:	4054 bp
RefSeq ORF:	963 bp
Locus ID:	23541
UniProt ID:	O76054
Cytogenetics:	22q12.2
Protein Families:	Transcription Factors
MW:	37.1 kDa
Gene Summary:	This gene encodes a cytosolic protein which belongs to a family of lipid-binding proteins including Sec14p, alpha-tocopherol transfer protein, and cellular retinol-binding protein. The encoded protein stimulates squalene monooxygenase which is a downstream enzyme in the cholesterol biosynthetic pathway. Alternatively spliced transcript variants encoding different isoforms have been identified for this gene. [provided by RefSeq, Oct 2008]