

Product datasheet for **RG232474**

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:	TurboGFP
Symbol:	SEC14L2
Synonyms:	C22orf6; SPF; TAP; TAP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG232474 representing NM_001204204 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGCGGCAGAGTCGGCGATCTGAGCCCCAGGCAGAAGGAGGCATTGGCCAAGTTTCGGGAGAATGTCC
AGGATGTGCTGCCGGCCCTGCCGAATCCAGATGACTATTTCTCCTGCGTTGGCTCCGAGCCAGAAGCTT
CGACCTGCAGAAGTCGGAGGCCATGCTCCGGAAGTTGGGAGGAAGGTGGAGACCATCACCATAATTTAT
GACTGCGAGGGGCTTGGCTCAAGCATCTCTGGAAGCCTGCTGTGGAGGCCTATGGAGAGTTTCTCTGCA
TGTTTGAGGAAAATTATCCCGAAACACTGAAGCGTCTTTTGTGTTAAAGCCCCAAACTGTTTCCTGT
GGCCTATAACCTCATCAAACCTTCCTGAGTGAGGACACTCGTAAGAAGATCATGGTCTGGGAGCAAA
TGAAGGAGGTTTTACTGAAACATATCAGCCCTGACCAGGTGCCTGTGGAGTATGGGGCCACCATGACTG
ACCCTGATGAAAACCCCAAGTGCAAATCCAAGATCAACTACGGGGGTGACATCCCAGGAAGTATTATGT
GCGAGACCAGGTGAAACAGCAGTATGAACACAGCGTGACAGATTTCCCGTGGCTCCTCCCACCAAGTGGAG
TATGAGATCCTCTCCCTGGCTGTGTCTCAGTGGCAGTTTATGTGAGTGGAGCGGATGTTGGTTTTG
GGATTTTCCTGAAGACCAAGATGGGAGAGAGGCAGCGGGCAGGGGAGATGACAGAGGTGCTGCCAACCA
GAGGTACAACCTCCACCTGGTCCCTGAAGATGGGACCCACCTGCAGTGATCCTGGCATCTATGTCCTG
CGTTTTGACAACCTACAGCTTCATTCATGCCAAGAAGTCAATTTCACTGTGGAGTCTGCTCCAG
ACAAAGCCTCAGAAGAGAAGATGAAACAGCTGGGGCAGGCACCCCGAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG232474 representing NM_001204204
 Red=Cloning site Green=Tags(s)

MSGRVGDLSPRQKEALAKFRENVDVLPALPNPDDYFLLRWLRARSFDLQKSEAMLRKLGRKVETITIIY
 DCEGLGLKHLWKPAVEAYGEFLCMFEENYPETLKRLFVVKAPKLPVAYNLIKPFLSEDRKIMVLGAN
 WKEVLLKHISPDQVPVEYGGTMTDPDGNPKCKSKINYGDDIPRKYVVRDQVKQQYEHSVQISRGSSHQVE
 YEILFPGCVLRWQFMSDGDVGFIFLKTGMGERQRAGEMTEVLPNQRYNSHLVPEDGTLTCSDPGIYVL
 RFDNTYSFIIHAKKVNFTVEVLLPDKASEEKKQLGAGTPK

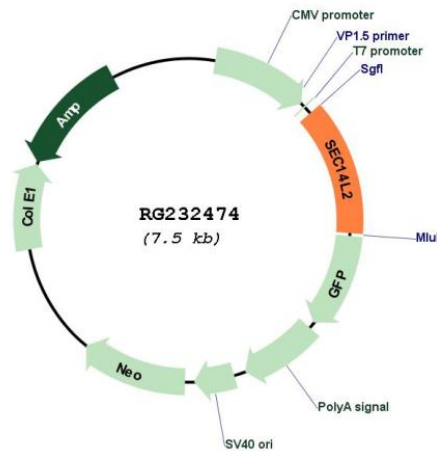
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-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
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]