

Product datasheet for **RG227259**

SEC14 like protein 2 (SEC14L2) (NM_033382) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SEC14 like protein 2 (SEC14L2) (NM_033382) 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:	>RG227259 representing NM_033382 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGCGGCAGAGTCGGCGATCTGAGCCCCAGGCAGAAGGAGGCATTGGCCAAGTTTCGGGAGAATGTCC
AGGATGTGCTGCCGGCCCTGCCGAATCCAGATGACTATTTTCTCCTGCGTTGGCTCCGAGCCAGAAGCTT
CGACCTGCAGAAGTCGGAGGCCATGCTCCGGAAGCATGTGGAGTCCGAAAGCAAAGGACATTGACAAC
ATCATTAGCTGGCAGCCTCCAGAGGTGATCCAACAGTATCTGTCAGGGGGTATGTGTGGCTATGACCTGG
ATGGCTGCCAGTCTGGTACGACATAATTGGACCTCTGGATGCCAAGGGTCTGCTGTTCTCAGCCTCCAA
ACAGGACCTGCTGAGGACCAAGATGCGGGAGTGTGAGCTGCTTCTGCAAGAGTGTGCCACCAGACCACA
AAGTTGGGGAGGAAGGTGGAGACCATCACCATAATTTATGACTGCGAGGGGCTTGGCCTCAAGCATCTCT
GGAAGCCTGCTGTGGAGGCTATGGAGAGTTTCTCTGCATGTTTGGAGAAAATTATCCCGAAACACTGAA
GCGTCTTTTTGTGTTAAAGCCCCAAACTGTTTCTGTGGCCTATAACCTCATCAAACCCTTCTGAGT
GAGGACACTCGTAAGAAGATCATGGTCTGGGAGCAAATTGGAAGGAGTTTTACTGAAACATATCAGCC
CTGACCAGGTGCCTGTGGAGTATGGGGCCACCATGACTGACCCTGATGAAAACCCCAAGTGCAAAATCCAA
GATCAACTACGGGGTGACATCCCCAGGAAGTATTATGTGCGAGACCAGGTGAAACAGCAGTATGAACAC
AGCGTGCAGATTTCCCGTGGCTCCTCCCAAGTGGAGTATGAGATCCTTCCCTGGCTGTGTCCTCA
GGTGGCAGTTTATGTAGATGGAGCGGATGTTGGTTTTGGGATTTTCTGAAGACCAAGATGGGAGAGAG
GCAGCGGGCAGGGGAGATGACAGAGGTGCTGCCAACCAGAGGTACAACCTCCACCTGGTCCCTGAAGAT
GGGACCCTCACCTGCAGTATCCTGGCATCTGTAAGTATCTCTGCCTTGCAATGCCTTGAAGCCCCATG
TCCAGCTTTCTGCCTGTGAGGTTCTCTTCCATGGATTTTTGGCTCTGAGTGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG227259 representing NM_033382
 Red=Cloning site Green=Tags(s)

MSGRVGDLSPRQKEALAKFRENVDVLPALPNPDDYFLLRWLRARSFDLQKSEAMLRKHVEFRKQKIDIN
 IISWQPPEVIQQYL SGGMCGYDL DGCPVWYDI IGPLDAKGLLFSASKQDLLRTKMRECELLLQECAHOTT
 KLGRKVEITITIIYDCEGLGLKHLWKPAVEAYGEFLCMFEENYPETLKRLFVVKAPKLPVAYNLIKPFLS
 EDTRKKIMVLGANWKEVLLKHI SPDQVPVEYGGTMTDPDGNPKCKSKINYGDDIPRKYVVRDQVKQYEH
 SVQISRGSSHQVEYIILFPGCVLRWQFMSDGDVGFGLFKTKMGERQRAGEMTEVLPNQRYNSHLVPED
 GLTCSDPGICKYLCLGNALKPHVQLSACEVPLPPWIFGSEC

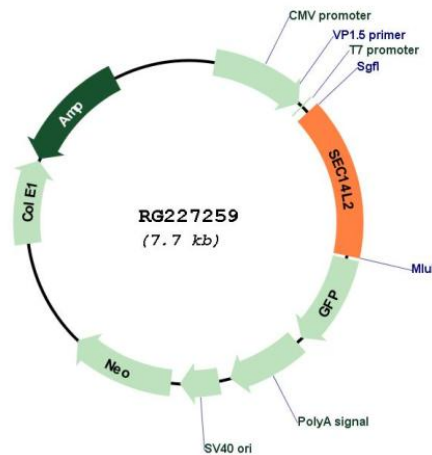
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_033382

ORF Size:	1176 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_033382.2 , NP_203740.1
RefSeq Size:	1845 bp
RefSeq ORF:	1179 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]