

## Product datasheet for **RG215994**

### SEC14 like protein 2 (SEC14L2) (NM\_012429) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SEC14 like protein 2 (SEC14L2) (NM_012429) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SEC14 like protein 2
Synonyms:	C22orf6; SPF; TAP; TAP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG215994 representing NM_012429 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**

ATGAGCGGCAGAGTCGGCGATCTGAGCCCCAGGCAGAAGGAGGCATTGGCCAAGTTTCGGGAGAATGTCC  
AGGATGTGCTGCCGGCCCTGCCGAATCCAGATGACTATTTTCTCCTGCGTTGGCTCCGAGCCAGAAGCTT  
CGACCTGCAGAAGTCGGAGGCCATGCTCCGGAAGCATGTGGAGTCCGAAAGCAAAGGACATTGACAAC  
ATCATTAGCTGGCAGCCTCCAGAGGTGATCCAACAGTATCTGTCAGGGGGTATGTGTGGCTATGACCTGG  
ATGGCTGCCAGTCTGGTACGACATAATTGGACCTCTGGATGCCAAGGGTCTGCTGTTCTCAGCCTCCAA  
ACAGGACCTGCTGAGGACCAAGATGCGGGAGTGTGAGCTGCTTCTGCAAGAGTGTGCCACCAGACCACA  
AAGTTGGGGAGGAAGGTGGAGACCATCACCATAATTTATGACTGCGAGGGGCTTGGCCTCAAGCATCTCT  
GGAAGCCTGCTGTGGAGGCCATGGAGAGTTTCTCTGCATGTTTGGAGAAAATTATCCCGAAACACTGAA  
GCGTCTTTTTGTTGTTAAAGCCCCAAACTGTTTCTGTGGCCTATAACCTCATCAAACCCTTCTGAGT  
GAGGACACTCGTAAGAAGATCATGGTCCTGGGAGCAAATTGGAAGGAGTTTTACTGAAACATATCAGCC  
CTGACCAGGTGCCTGTGGAGTATGGGGCCACCATGACTGACCCTGATGAAAACCCCAAGTCAAATCCAA  
GATCAACTACGGGGTGACATCCCCAGGAAGTATTATGTGCGAGACCAGGTGAAACAGCAGTATGAACAC  
AGCGTGCAGATTTCCCGTGGCTCCTCCCAAGTGGAGTATGAGATCCTTCCCTGGCTGTGTCCTCA  
GGTGGCAGTTTATGTAGATGGAGCGGATGTTGGTTTTGGGATTTTCTGAAGACCAAGATGGGAGAGAG  
GCAGCGGCAGGGGAGATGACAGAGGTGCTGCCAACCAGAGGTACAACCTCCACCTGGTCCCTGAAGAT  
GGGACCCTCACCTGCAGTATCCTGGCATGTGCTGCGGTTTGAACAACCTACAGTTCATTTCATG  
CCAAGAAGGTCAATTTCACTGTGGAGGTCTGCTCCAGACAAAGCCTCAGAAGAGAAGATGAAACAGCT  
GGGGCAGGCACCCCGAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

**Protein Sequence:** >RG215994 representing NM\_012429  
Red=Cloning site Green=Tags(s)

```
MSGRVGDLSPRQKEALAKFRENVQDVLPALPNPDDYFLLRRLRARSFDLQKSEAMLRKHVEFRKQKIDIDN
IISWQPPEVIQQYL SGGMCGYDL DGC PVWYDI IGPLDAKGLLFSASKQDLLRTKMRECELLLQECAHQTT
KLGKRVETITIIYDCEGLGLKHLWKPAVEAYGEFLCMFEENYPETLKRFLFVVKAPKLPVAYNLIKPFLS
EDTRKKIMVLGANWKEVLLKHI SPDQVPVEYGGTMDPDGPNPKCKSKINYGDDIPRKYVVRDQVKQYEH
SVQISRGSSSHQVEYELFPGCVLRWQFMSDGDVGFGLFKTKMGERQRAGEMTEVLPNQRYNSHLVPED
GTLTCSDPGIYVLRFDNTYSFIHAKKVNFVTEVLLPDKASEEKMQLGAGTPK
```

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_012429

**ORF Size:** 1209 bp

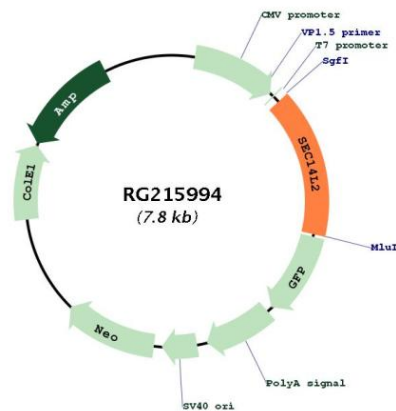
**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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\\_012429.5](#)
- RefSeq Size:** 2818 bp
- RefSeq ORF:** 1212 bp
- Locus ID:** 23541
- UniProt ID:** [O76054](#)
- Cytogenetics:** 22q12.2
- Domains:** SEC14
- 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]

### Product images:



Circular map for RG215994