

## Product datasheet for **RG237629**

### SEC14 like protein 2 (SEC14L2) (NM\_001291932) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SEC14 like protein 2 (SEC14L2) (NM_001291932) 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:	>RG237629 representing NM_001291932. Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGCTCCGGAAGCATGTGGAGTTCGAAAGCAAAGGACATTGACAACATCATTAGCTGGCAGCCTCCA
GAGGTGATCCAACAGTATCTGT CAGGGGTATGTGTGGCTATGACCTGGATGGCTGCCAGTCTGGTAC
GACATAATTGGACCTCTGGATGCCAAGGGTCTGCTGTTCTCAGCCTCAAACAGGACCTGCTGAGGACC
AAGATGCGGGAGTGTGAGCTGCTTCTGCAAGAGTGTGCCACCAGACCACAAAGTTGGGGAGGAAGGTG
GAGACCATCACCATAATTTATGACTGCGAGGGGCTTGGCCTCAAGCATCTCTGGAAGCCTGCTGTGGAG
GCCTATGGAGAGTTTCTCTGCATGTTT GAGGAAAATTATCCCGAAACACTGAAGCGTCTTTTGTGTT
AAAGCCCCCAAAGTGTTCCTGTGGCCTATAACCTCATCAAACCTTCTCTGAGTGAGGACTCGTAAG
AAGATCATGGTCCTGGGAGCAAATTGGAAGGAGGTTTTACTGAAACATATCAGCCCTGACCAGGTGCCT
GTGGAGTATGGGGGCACCATGACTGACCCTGATGGAAACCCCAAGTGCAAATCCAAGATCAACTACGGG
GGTGACATCCCCAGGAAGTATTATGTGCGAGACCAGGTGAAACAGCAGTATGAACACAGCGTGCAGATT
TCCCGTGGCTCCTCCACCAAGTGGAGTATGAGATCCTCTTCCCTGGCTGTGTCC CAGTGGCAGTTT
ATGTCAGATGGAGCGGATGTTGGTTTTGGGATTTTCTGAAGACCAAGATGGGAGAGAGGCAGCGGGCA
GGGAGATGACAGAGGTGCTGCCAACCAGAGGTACAACCTCCACCTGGTCCCTGAAGATGGGACCCTC
ACCTGCAGTGATCCTGGCATCTATGTCCTGCGGTTTGACAACACTACAGCTTCATTCATGCCAAGAAG
GTCAATTTCACTGTGGAGTCTGCTTCCAGACAAAGCCTCAGAAGAGAAGATGAAACAGCTGGGGGCA
GGCACCCCGAAA
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```



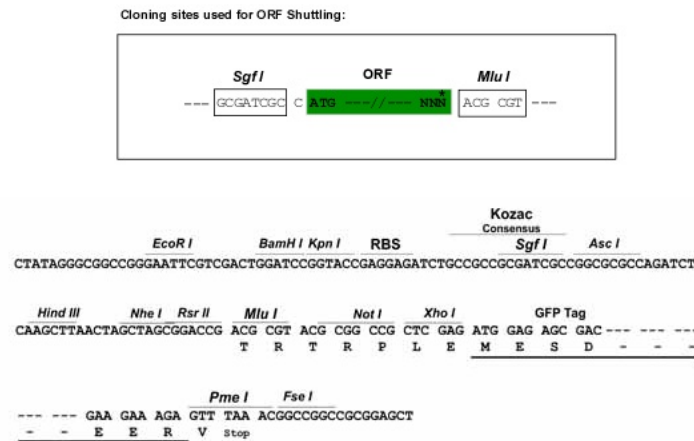
[View online »](#)

**Protein Sequence:** >Peptide sequence encoded by RG237629  
 Blue=ORF Red=Cloning site Green=Tag(s)

MLRKHVEFRKQKDIDNIIISWQPPEVIQQYL SGGMCGYDL D GCPVWYDIIGPLDAKGLLF SASKQDLLRT  
 KMRECELLLQECAHQTTKLGRKVETITIIYDCEGLGLKHLWKPAVEAYGEFLCMFEENYPETLKRLFVV  
 KAPKLPVAYNL IKPFL SEDTRKKIMVLGANWKEVLLKHI SPDQVPVEYGGTMTDPDGNPKCKSKINYG  
 GDIPRKYVVRDQVKQYEHVSQISRSSHQVEYELFPGCVLRWQFMSDGADVGFIFLKT KMGQRQA  
 GEMTEVLPNQRYNHSLVPEDGTLT CSDPGIYVLRFDNTYSFIHAKKVNFTVEVLLPDKASEEKMQLGA  
 GTPK  
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV  
 MGYGFYHFGTYP SGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED  
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA  
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001291932

**ORF Size:** 1047 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.

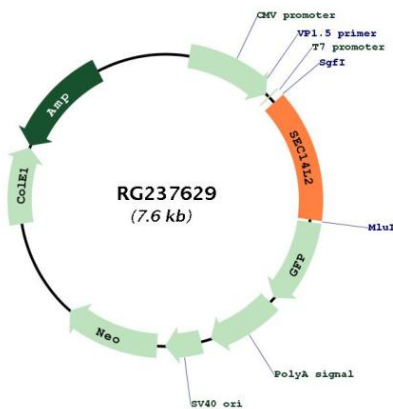
**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**RefSeq:** [NM\\_001291932.2](#)

**RefSeq Size:** 4228 bp

RefSeq ORF:	1050 bp
Locus ID:	23541
Cytogenetics:	22q12.2
Protein Families:	Transcription Factors
MW:	40.4 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]

**Product images:**



Circular map for RG237629