

## Product datasheet for **RG211801**

### **SEC14L1 (NM\_003003) Human Tagged ORF Clone**

#### **Product data:**

|                                  |                         |
|----------------------------------|-------------------------|
| <b>Product Type:</b>             | Expression Plasmids     |
| <b>Tag:</b>                      | TurboGFP                |
| <b>Symbol:</b>                   | SEC14L1                 |
| <b>Synonyms:</b>                 | PRELID4A; SEC14L        |
| <b>Mammalian Cell Selection:</b> | Neomycin                |
| <b>Vector:</b>                   | pCMV6-AC-GFP (PS100010) |
| <b>E. coli Selection:</b>        | Ampicillin (100 ug/mL)  |



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**ORF Nucleotide Sequence:** >RG211801 representing NM\_003003  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGGTGCAGAAATACCACTCCCACTGAGGGTGTACAATACCCCTTTGAATTAATTATGGCTGCCTATG  
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 CGAAGATGGGGCTATTCATGTCAATTGAAAGGCGCTGCAAGCTGGATGTAGATGCACCCAGACTGCTGAAG  
 AAGATTGCAGGAGTTGATTATGTTTATTTGTCCAGAAAACTCACTGAATCTCGGGAACGTACTTTGC  
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 GAAAGTACAGTGGAAAAATTGCAATGAAACAATATACCAGCAACATTAAGAAAGGAAAGGAAATCATCG  
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 GCTGCCCTCAAGGAGGGGCTGAGTGGTGTGCCCTCAGCAGCCCCAGTGACCTGAGCCCGTGGTGGGCA  
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 CTGCCCTATTAGACTTCGCCAGTGGCTCCAGGAGACCCACAAGGGCAAAATCCAAAGATGAGCATATT  
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 GGAGAAAGCAGCATCAGGTAGACTACATTCTTGAACCTGGACCCCTCCTCAGGTCTTCAGGATTACTA  
 CGCGGGAGGCTGGCATCATCAGCACAAGATGGGCGGCCCTCTACGTGCTCAGGCTGGGCGAGATGGAC  
 ACCAAAGGCTTGGTGAAGAGCGCTCGGGGAGGAAGCCCTGCTGAGATACGTTCTCTCCATAAATGAAGAAG  
 GGCTAAGGCGATGCGAAGAGAATACAAAAGTCTTTGGTGGCCTATCAGCTCATGGACCTGCCTGGTGA  
 CTTGGAAGGGCTGAACATGCGCCACTTGTGGAGACCTGGTGTGAAAGCGCTGCTGCGGATCATCGAGGTG  
 GTGGAGGCCAACTACCTGAGACACTGGGCGGCCTTCTCATCTGCGGGCGCCAGGGTATTTCTGTGC  
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 TTCTACATCTGCAAGTGGAAATCCACAGCATGCCTGCGTGCAGCCGACGAGCTTCCCGGGTGGAGC  
 ACGTGCTTGCCTCCGTCAGGTCTCTTCGACAAAGTGTAAAGTGTACTACACCGAGGTGATCGGCTC  
 GGAGGATTTGAGAGTTCCATGACGAGCTGGAGTCCAGCCACAGCGGCTTCTCCAGCTGAGTGCCGCC  
 ACCACCTCTCCAGCCAGTCCCACTCCAGCTCCATGATCTCCAGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

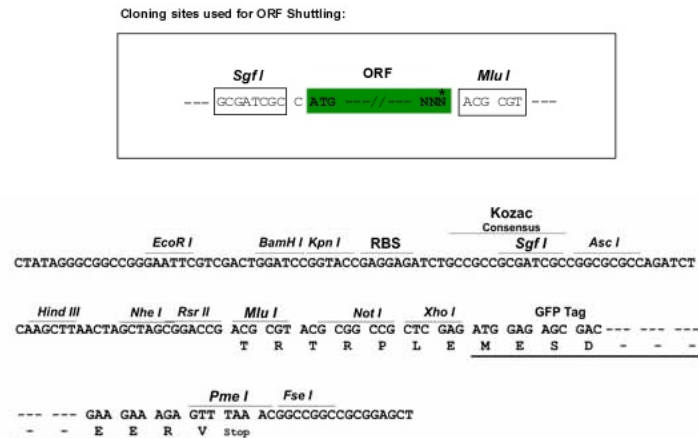
**Protein Sequence:** >RG211801 representing NM\_003003  
 Red=Cloning site Green=Tags(s)

MVQKYQSPVRVYKYPFELIMAYERRFPTCLIPMFVGS DTVNEFKS EDGAIHVIERRCKLDVDAPRLK  
 KIAGVDYVYFVQKNSLNSRERTLHIEAYNETFSNRVIINEHCCYTVHPENEDWTCFEQSASLDIKSFFGF  
 ESTVEKIAMKQYTSNIKKGKEIIEYYLRQLLEEIGITFVPRWSPPSITPSSETSSSSSKKQAASMAVVIPE  
 AALKEGLSGDALSSPAPEPVVGTDDKLDADYIKRYLGDLTPLQESCLIRLRQLQETHKGKIPKDEHI  
 LRFLRARDFNIDKAREIMCQSLTWRKQHQVDYILETWTPQVLQDYYAGGWHHDKDGRPLVYLRGQMD  
 TKGLVRALGEEALLRYVLSINEEGLRCEENTKVFGRPISSWTCLVDLEGLNMRHLWRPGVKALLRIIEV  
 VEANYPETLGRLLILRAPRVFVWLTVSPFIDNTRRKFLIYAGNDYQGPGLLDYIDKEIIPDFLSGE  
 CMCEVEPGLVPKSLYRTAELENE DLKLTETIYQSASVFKGAPHEILIQIVDASSVITWDFDVCKGDI  
 VFNIYHSKRSPQPPKKDSLGAHSITSPGGNNVQLIDKVVWLGRDYSMVESPLICEGESVQGSHTVRWPG  
 FYILQWKFHSMPCAASSLPRVDDVLAQLVSSHCKKVMYYTEVIGSEDFRGSMTSLESSHSGFSQLSAA  
 TTSSSQSHSSSMISR

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_003003

**ORF Size:** 2145 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:**

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.

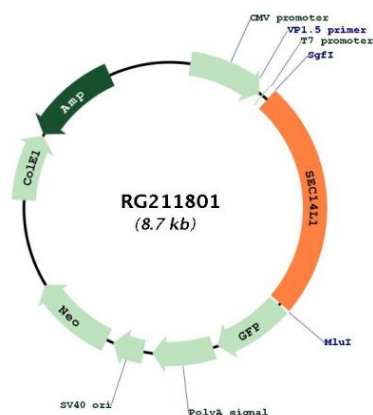
**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** [NM\\_003003.1](#), [NP\\_002994.1](#)

**RefSeq Size:** 5434 bp  
**RefSeq ORF:** 2148 bp  
**Locus ID:** 6397  
**UniProt ID:** [Q92503](#)  
**Cytogenetics:** 17q25.2-q25.3  
**Domains:** SEC14

**Gene Summary:** The protein encoded by this gene belongs to the SEC14 cytosolic factor family. It has similarity to yeast SEC14 and to Japanese flying squid RALBP which suggests a possible role of the gene product in an intracellular transport system. Multiple alternatively spliced transcript variants have been found for this gene; some variants represent read-through transcripts that include exons from the upstream gene C17orf86. [provided by RefSeq, Feb 2011]

### Product images:



Circular map for RG211801