

Product datasheet for **RG226531**

SEC14L1 (NM_001143998) Human Tagged ORF Clone

Product data:

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



ORF Nucleotide Sequence: >RG226531 representing NM_001143998
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGTGCAGAAATACCACTCCCACTGAGGGTGTACAATACCCCTTTGAATTAATTATGGCTGCCTATG
 AAAGGAGGTTCCCTACATGTCTTTGATTCCGATGTTCTGGGCGAGTACACTGTGAATGAATCAAGAG
 CGAAGATGGGGCTATTCATGTCAATTGAAAGGCGCTGCAAGCTGGATGTAGATGCACCCAGACTGCTGAAG
 AAGATTGCAGGAGTTGATTATGTTTATTTGTCCAGAAAACTCACTGAATTCGCGGAACGTACTTTGC
 ACATTGAGGCTTATAATGAAACGTTTCCAATCGGGTCATCATTAAAGAGCATTGCTACACCGTTCA
 CCTGAAAAATGAAGATTGGACCTGTTTGAACAGTCTGCAAGTTTAGATATTAATCTTTCTTTGGTTTT
 GAAAGTACAGTGGAAAAATTGCAATGAAACAATATACCAGCAACATTAAGAAAGGAAAGGAAATCATCG
 AATACTACCTTCGCCAATTAGAAGAAGAGGCATAACCTTTGTGCCCCGTTGGAGTCCGCTTCCATCAC
 GCCCTCTTCAGAGACATCTTCATCATCTCCAAGAAACAAGCAGCGTCCATGGCCGTCGTCATCCAGAA
 GCTGCCCTCAAGGAGGGGCTGAGTGGTGTGCCCTCAGCAGCCCCAGCGACCTGAGCCCGTGGTGGGCA
 CCCCTGACGACAACTAGATGCCGACTACATCAAGAGATACCTGGGCGATTGACTCCGCTGCAGGAGAG
 CTGCCCTATTAGACTTCGCCAGTGGCTCCAGGAGACCCACAAGGGCAAAATCCAAAAGATGAGCATATT
 CTTGCGTTCCTCCGTGCACGGGATTTAATTGACAAAGCCAGAGAGATCATGTGTGAGTCTTTGACGT
 GGAGAAAGCAGCATCAGGTAGACTACATTCTTGAACCTGGACCCCTCCTCAGGTCTTCAGGATTACTA
 CGCGGGAGGCTGGCATCATCAGCAGAAAGATGGGCGGCCCTCTACGTGCTCAGGCTGGGCGAGATGGAC
 ACCAAGGGCTTGGTGAAGAGCGCTCGGGGAGGAAGCCCTGCTGAGATACGTTCTCTCCATAAATGAAGAAG
 GGCTAAGGCGATGCGAAGAGAATACAAAAGTCTTTGGTGGCCTATCAGCTCATGGACCTGCCTGGTGA
 CTTGGAAGGGCTGAACATGCGCCACTTGTGGAGACCTGGTGTGAAAGCGCTGCTGCGGATCATCGAGGTG
 GTGGAGGCCAACTACCTGAGACACTGGGCGGCCTTCTCATCTGCGGGCGCCAGGGTATTTCTGTGC
 TCTGGACGCTGGTGTAGTCCGTTTATTGATGACAACACCAGAAGGAAGTTCTCTCATTTATGACGAAATGA
 TCACAGGGTCTCGAGGCTGCTGGATTACATCGACAAAGAGATTATTCAGATTTCTGAGTGGGGAG
 TGCATGTGCGAAGTGCCAGAGGGTGGACTGGTCCCAATCTCTGTACCGGACTGCAGAGGAGCTGGAGA
 ACGAAGACCTGAAGCTCTGGACTGAGACCATCTACAGTCTGCAAGCGTCTTCAAAGGAGCCCCACATGA
 GATTCTCATTCAGATTGTGGATGCCTCGTCAGTCATCACTTGGGATTTGACGTGTGCAAGGGGACATT
 GTGTTTAACATCTATCACTCCAAGAGTGCACACAACCACCAAAAGGACTCCCTGGGAGCCACAGCA
 TCACCTCTCCGGGTGGGAACAATGTGAGCTCATAGACAAAGTCTGGCAGCTGGGCCGCGACTACAGCAT
 GGTGGAGTCGCTCTGATCTGCAAGAAGGAGAAAGCGTGCAGGGTTCCATGTGACAGGTGGCCGGGC
 TTCTACATCTGCAAGTGAATTCACAGCATGCCTGCGTGCGCCGCCAGCAGCTTCCCGGGTGGAGC
 ACGTGCTTGCCTCCCTGCAGGTCTCTTCGACAAAGTGTAAAGTGTACTACACCGAGGTGATCGGCTC
 GGAGGATTTGAGAGTTCCATGACGAGCTGGAGTCCAGCCACAGCGGCTTCTCCAGCTGAGTGCCGCC
 ACCACCTCTCCAGCCAGTCCCACTCCAGCTCCATGATCTCCAGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

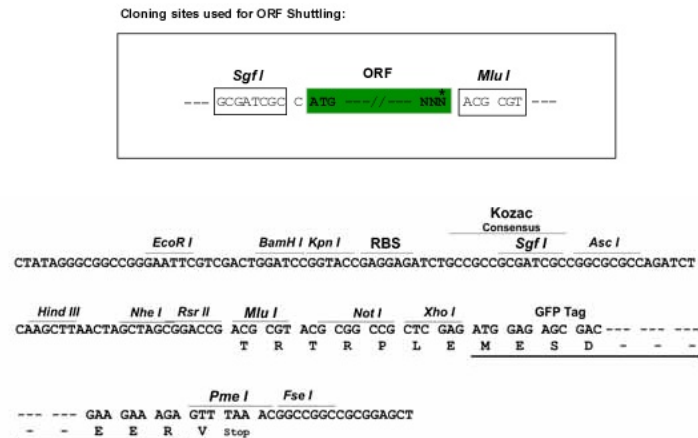
Protein Sequence: >RG226531 representing NM_001143998
 Red=Cloning site Green=Tags(s)

MVQKYQSPVRVYKYPFELIMAYERRFPTCLIPMFVGS DTVNEFKS E DGA I HVIERRCKLDVDAPRLK
 KIAGVDYVYFVQKNSLNSRERTLHIEAYNETFSNRVINEHCCYTVHPENEDWTCFEQSASLDIKSFFGF
 ESTVEKIAMKQYTSNIKKGKEIIEYYLRQLEEEGITFVPRWSPPSITPSSETSSSSSKKQAASMAVVIPE
 AALKEGLSGDALSSPAPEPVVGTDDKLDADYIKRYLGDLTPLQESCLIRLRQLQETHKGKIPKDEHI
 LRFLRARDFNIDKAREIMCQSLTWRKQHQVDYILETWTPPQVLQDYAGGWHHHDKDGRPLVYLRLGQMD
 TKGLVRALGEEALLRYVLSINEEGLRCEENTKVFGRPISWTCLVDLEGLNMRHLWRPGVKALLRIIEV
 VEANYPETLGRLLILRAPRVFVWLTVSPFIDNTRRKFLIYAGNDYQGPGLLDYIDKEIIPDFLSGE
 CMCEVEPGLVPKSLYRTAELENE DLKLTETIYQSASVFKGAPHEILIQIVDASSVITWDFDVCKGDI
 VFNIYHSKRSPQPPKKDSLGAHSITSPGGNNVQLIDKVVWLGRDYSMVESPLICEGESVQGSHTVRWPG
 FYILQWKFHSMPCAASSLPRVDDVLAQLVSSHCKCKVMMYYTEVIGSEDFRGSMTSLESSHSGFSQLSAA
 TTSSSQSHSSSMISR

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001143998

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.

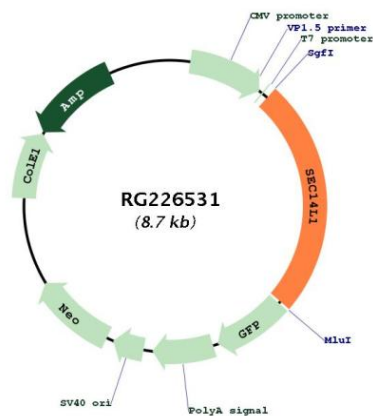
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001143998.1](#), [NP_001137470.1](#)

RefSeq Size: 5546 bp
 RefSeq ORF: 2148 bp
 Locus ID: 6397
 UniProt ID: [Q92503](#)
 Cytogenetics: 17q25.2-q25.3

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 RG226531