

Product datasheet for **RG226558**

SEC14L1 (NM_001144001) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SEC14L1 (NM_001144001) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SEC14L1
Synonyms:	PRELID4A; SEC14L
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide
Sequence:**

>RG226558 representing NM_001144001
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGGTGCAGAAATACCAGTCCCCAGTGAGGGTGTACAAATACCCCTTTGAATTAATTATGGCTGCCTATG
 AAAGGAGGTTCCCTACATGTCCTTTGATTCCGATGTTCTGTGGCAGTGACACTGTGAATGAATCAAGAG
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 GAAAGTACAGTGGAAAAATTGCAATGAAACAATATACCAGCAACATTAAGGAAAGGAAATCATCG
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 GCCCTCTTCAGAGACATCTTCATCATCTCCAAGAAACAAGCAGCGTCCATGGCCGTCGTCATCCAGAA
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 GGTGGAGTCGCCTCTGATCTGCAAAGAAGGAGAAAGCGTGCAGGGTTCCCATGTGACCAGGTGGCCGGGC
 TTCTACATCCTGCAGTGGAAATTCACAGCATGCCTGCGTGCGCCGCCAGCAGCCTTCCCGGGTGGACG
 ACGTGCTTGCCTCCGTCAGGTCTCTTCGCACAAGTGTAAGTGATGTACTACACCGAGGTGATCGGCTC
 GGAGGATTTAGAGGTTCCATGACGAGCCTGGAGTCCAGCCACAGCGGCTTCTCCAGCTGAGTGCCGCC
 ACCACCTCTCCAGCCAGTCCCACTCCAGCTCCATGATCTCCAG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG226558 representing NM_001144001
 Red=Cloning site Green=Tags(s)

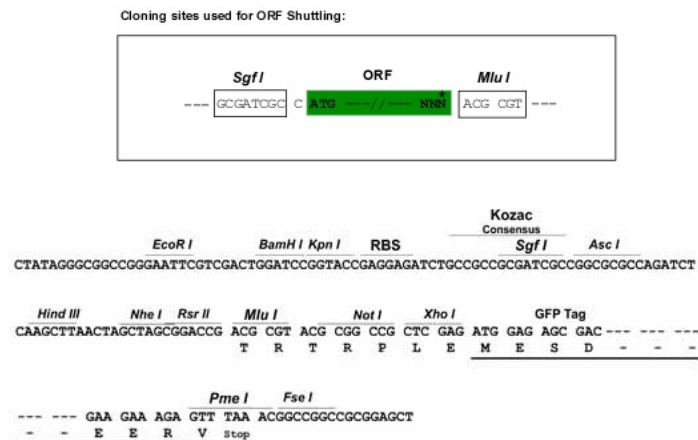
MVQKYQSPVRVYKYPFELIMAA YERRFPTCLIPMFVGS DTVNEFKS EDGAIHVIERRCKLDVDAPRL LK
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 AALKEGLSGDALSSPSAEPVVGTPDDKLDADYIKRYLGDLTPLQESCLIRLRQWLQETHKGKIPKDEHI
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 TKGLVRALGEEALLRYVLSINEEGLRRCEENTKVFGRPISWTCVLDLEGLNMRHLWRPGVKALLRIIEV
 VEANYPETLGRLLILRAPRVFVWLTVLSPFIDNTRRKFLIYAGNDYQGPGLLDYIDKEIIPDFLSGE
 CMCEVPEGGLVPKSLYRTAEELNEDLKLWTETIYQSASVFKGAPHEILIQIVDASSVITWDFDVCKGDI
 VFNIIYHSKRSPQPPKDSLGAHSITSPGGNNVQLIDKVWQLGRDYSMVESPLICKEGESVQGSHTVRWPG
 FYILQWKFHSMPCAASSLPRVDDVLASLQVSSHCKKVMYYTEVIGSEDFRGSMTSLESSHSGFSQLSAA
 TTSSSQSHSSMISR

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001144001

ORF Size: 2148 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.

RefSeq: [NM_001144001.1](#), [NP_001137473.1](#)

RefSeq Size: 5334 bp

RefSeq ORF: 2046 bp

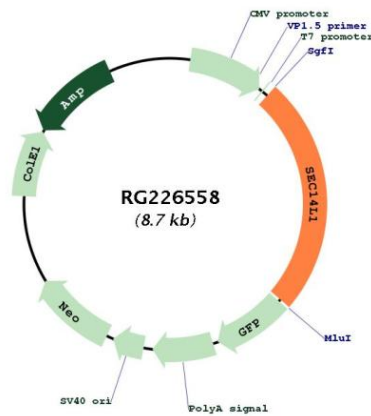
Locus ID: 6397

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 RG226558