

Product datasheet for **SC118234**

SEC14L1 (NM_003003) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	SEC14L1
Synonyms:	PRELID4A; SEC14L
Mammalian Cell	None
Selection:	
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



Fully Sequenced ORF:

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>OriGene ORF sequence for NM_003003 edited
TACGGTCGCGGAGCAGTGAACCGAGACTGCCCGCGGAGCCGCGGTATGAGCGCCCT
CGCCACCCCGTGTCCAGGCCCGCCTTTCTGACAAGAGCTAGACTTCGGGCTCCTTGAG
GATATTTCAGTTTTGTATGTTTGAATATCCTCTCACCATTGTTAGCATAAAGTACCATTCT
TAATGATTATCCTCAACAAGACAGGTGTGAGAGGGTTGCTGTTGATTGCAATCATGGTG
CAGAAATACCAGTCCCAAGTGAAGGTGTACAAATACCCCTTTGAATTAATTATGGCTGCC
TATGAAAGGAGGTTCCCTACATGTCCTTTGATTCCGATGTTCTGGGCAGTGACACTGTG
AATGAATTCAGAGCGAAGATGGGGCTATTCATGTCATTGAAAGGCGCTGCAAGCTGGAT
GTAGATGCACCCAGACTGCTGAAGAAGATTGCAGGAGTTGATTATGTTTATTTGTCCAG
AAAACTCACTGAATTCCTGGGAACGTACTTTGCACATTGAGGCTTATAATGAAACGTTT
TCCAATCGGGTCATCATTAAATGAGCATTGCTGTACACCGTTCACCCTGAAAAATGAAGAT
TGGACCTGTTTTGAACAGTCTGCAAGTTTAGATATTAATCTTTCTTTGGTTTTGAAAGT
ACAGTGAAAAAATTGCAATGAAACAATATACCAGCAACATTAAGGAAAGGAAAGGAAATC
ATCGAATACTACCTTCGCCAATTAGAAGAAGAGGCATAACCTTTGTGCCCCGTTGGAGT
CCGCCCTCCATCAGCCCTCTTCAGAGACATCTTCATCATCCTCCAAGAAACAAGCAGCG
TCCATGGCCGTCGTCATCCAGAGCTGCCCTCAAGGAGGGGCTGAGTGGTGATGCCCTC
AGCAGCCCCAGTGACCTGAGCCCGTGGTGGGCACCCCTGACGACAACTAGATGCCGAC
TACATCAAGAGATACCTGGGCGATTGACTCCGCTGCAGGAGAGCTGCCTCATTAGACTT
CGCCAGTGGCTCCAGGAGACCCACAAGGGCAAAATCCAAAAGATGAGCATATTTCTCGG
TTCCTCCGTGCACGGGATTTTAAATTGACAAAGCCAGAGAGATCATGTGTCAGTCTTTG
ACGTGGAGAAAGCAGCATCAGGTAGACTACATTCTTGAACCTGGACCCCTCCTCAGGTC
CTTCAGGATTACTACGCGGGAGGCTGGCATCATCAGACAAAGATGGGCGGCCCTCTAC
GTGCTCAGGCTGGGCAGATGGACACCAAGGCTTGGTGAGAGCGCTCGGGAGGAAGCC
CTGCTGAGATACGTTCTCTCCATAAATGAAGAAGGGCTAAGGCGATGCGAAGAGAATACA
AAAGTCTTTGGTCGGCCTATCAGCTCATGGACCTGCCTGGTGGACTTGAAGGGCTGAAC
ATGCGCCACTTGTGGAGACCTGGTGTGAAAGCGCTGCTGCGGATCATCGAGGTGGTGGAG
GCCAACTACCCTGAGACTGGGCCGCTTCTCATCCTGCGGGCGCCAGGGTATTTCTCT
GTGCTCTGGACGCTGGTTAGTCCGTTTATTGATGACAAACACAGAAGGAAGTTCTCATT
TATGCAGGAAATGACTACCAGGTCCTGGAGGCTGCTGGATTACATCGACAAAGAGATT
ATTCCAGATTTCTGAGTGGGAGTGATGTGCGAAGTGCCAGAGGGTGGACTGGTCCCC
AAATCTCTGTACCGGACTGCAGAGGAGCTGGAGAACGAAGACCTGAAGCTCTGGACTGAG
ACCATCTACAGTCTGCAAGCGTCTTCAAAGGAGCCCCACATGAGATTCTCATTGAGATT
GTGGATGCCTCGTCAGTCATCACTTGGGATTTGACGCTGTGCAAAGGGGACATTGTGTTT
AACATCTATCACTCCAAGAGGTGCGCACAAACCCAAAAAGGACTCCCTGGGAGCCAC
AGCATCACCTCTCCGGTGGGAACAATGTGCAGCTCATAGACAAAGTCTGGCAGCTGGGC
CGGACTACAGCATGGTGGAGTCGCCTCTGATCTGCAAAGAAGGAGAAAGCGTGCAGGGT
TCCCATGTGACCAGGTGGCCGGCTTCTACATCCTGCAGTGAAATTCACAGCATGCCT
GCGTGCGCCGCCAGCAGCTTCCCCGGGTGGACGAGTGTGCGTCCCTGCAGGTCTCT
TCGACAAGTGTAAAGTGATGTAACACCGAGGTGATCGGCTCGGAGGATTTAGAGGT
TCCATGACGAGCCTGGAGTCCAGCCACAGCGGCTTCTCCAGCTGAGTGCCGCCACCA
TCCTCCAGCCAGTCCCACTCCAGCTCCATGATCTCCAGGTAGTGCCGCGCTGCCTGCACC
TAGTGTGCAGAGGGGACGGCCGCCCTCTCGGACAGCCAGCTGCACCCGCCACCCAGC
GGCGGCATTGTACAGACTCCTCTCACCTCTAGATAGCAAAATAGCTCTCAGATGGTAAACG
TAGTCGTTTGTATCCAAAACCTTGGCAGGTAGTTTTAACTCTGATCCTAACTTAACT
CAATAGCCATAGATTTTGTATACGTTGTGCACAAAATCCAACCAGAGCGCAAGGGCTCTC
TTGAAAGAAAAGTAGTTTCTGTACCAATTAAGGATTGACGTGGTCTCAAAAAAAAAA
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5' Read Nucleotide

Sequence:

>OriGene 5' read for NM_003003 unedited
 NGTCANAATTTGTATACGACTCCTATAGGCGGCNCGCATTGCGCACGAGGTACGGTCGC
 GGAGCAGTGAACCGAGACTGCCCCGCGGAGCCCGGTATGAGCGCCCTCGCCACCCC
 GTGTCCCAGGCCCGCCCTTTCTGACAAGAGCTAGACTTCGGGCTCCTTGAGGATATTGAG
 TTTTGTATGTTGAATATCCTCTCACCATTGTCAGCATAAAGTACCATTCTTAATGATTA
 TCCTCAACAAGACAGGTGTGAGAGGGTTGCTGTTGATTGCAATCATGGTGCAGAAATAC
 CAGTCCCCAGTGAGGGGTACAAATACCCCTTTGAATTAATTATGGCTGCCTATGAAAGG
 AGGTTCCCTACATGTCCTTTGATTCCGATGTTCTGGGCACTGACACTGTGAATGAATTC
 AAGAGCGAAGATGGGGCTATTCATGTGATTGAAAGGCGCTGCAAGCTGGATGTAGATGCA
 CCCAGACTGCTGAAGAAGATTGCAGGAGTTGATTATGTTTATTTTCCAGAAAACTCA
 CTGAATTTCTCGGAACGTACTTTGCACATTGAGGCTTATAATGAAACGTTTTCCAATCGG
 GTCATCATTAAATGAGCATTGCTGCTACACCGTTACCCCTGAAAAATGAAGATTGACCTGT
 TTTGAACAGTCTGCAAGTTTAGATATTAATCTTTCTTTGGTTNTGAAAGTACAGTGGAA
 AAAATTGCAATGAAACAATATACCAGCAACATTAAGGAAAGGAGGATCATCNGATA
 CTACCTTCNGCATTAGAAGAAGAAGGCATACCTTTTGCCCGTTGGGAGTCCGNCCTTC
 ATCACNNGCCTCTTCAGAGACATCTTCATCATCTNCAAGAACAAGCAGCGTCATGGGNC
 CGTCGTATNCCAGAGCTGCCCTCANGAGGGCCTTNATTGGNGATGCCCCCTCACACCCNAT
 GCACTGAAACCTCGGGTGGGCCCCCTGACACAATAATGCCG

3' Read Nucleotide

Sequence:

>OriGene 3' read for NM_003003 unedited
 CGTGCACTTTTATTGATACAGAACTACTTTTCTTTCAGAAAGCCCTTGCGCTCTGGTT
 GGATTTTGTGCACAACGTATACAAATCTATGGCTATTGAGTTAAGTTAGGATCAGAGTT
 AAAACTACCTGCCAAGTAGTTTGGGATCAAACGACTACGTTTACCATTGAGAGCTAT
 TTGCTATCTAGAGGTGAGAGGAGTCTGTACAATGCCCGCGCTGGGTGGGCGGGTGCAGCT
 GGCTGTCCGAGGAGGGCGGCCGCTCCCTCTGCACACTAGGTGCAGGCAGCGCGGCACTA
 CCTGGAGATCATGGAGCTGGAGTGGGACTGGCTGGAGGAGGTGGTGGCGGCACTCAGCTG
 GGAGAAGCCGCTGTGGCTGGACTCCAGGCTCGTCATGGAACCTCTGAAATCCTCCGAGCC
 GATCACCTCGGTGTAGTACATCACTTTACACTTGTGCGAAGAGACCTGCAGGGACGCAAG
 CACGTCGTCCACCCGGGAAGGCTGCTGGCGGCGCACGCAGGCATGCTGTGGAATTTCCA
 CTGCANGATGTAGAAGCCCGGCCACCTGGTCACATGGGAACCTGCACGCTTTCTCCTTC
 TTTGCAGATCAGAGGCGACTTCACCATGCTGTAGTCGCGGCCACCTGCCAGACTTTGTC
 TATGAGCTGCACATTGGTTCCACCCGGAGAGGTGATGCTGGGGGCTTCCAGGAGTTCT
 TTTTGGGTGGTTGTGGCGACCTCTTGAATGATAGATGTTAAACACAAGGCCCTTGACAC
 CCGTCCAAATCCAATGATGACTGGCAGGCCTCACAATTTGAATAGAATTTATGTGGGCTC
 CTTTAAGACCTCGCAACTGTAGAGTCCCACCCGATTTAGAGTTGCCCCACTCCCTGC
 GTCCGACAAAATTGGGACCAACACCTTGGGCTTNCCACGCCTCCCTTTTG

Restriction Sites:

NotI-NotI

ACCN:

NM_003003

Insert Size:

2700 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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:	<u>NM_003003.1, NP_002994.1</u>
RefSeq Size:	5434 bp
RefSeq ORF:	2148 bp
Locus ID:	6397
UniProt ID:	<u>Q92503</u>
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] Transcript Variant: This variant (1) differs in the 5' UTR, compared to variant 3. Variants 1, 3, 4 and 7 encode isoform a. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.