

Product datasheet for **SC306975**

SEC14L3 (NM_174975) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	SEC14L3
Synonyms:	TAP2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC306975 representing NM_174975. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAAATTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAGCGGCCGAGTTGGAGACCTGAGCCCCAAACAGGCAGAGACCTGGCCAAGTTCGAGAAAAACGTC
CAGGATGTGCTTCTGCCCTGCCAACCTGATGATTATTTCTTCTACGCTGGCTCCGAGCTCGGAAT
TTTGACTTGCAGAAGTCGGAGGCTTTGCTCCGCAAGTACATGGAGTTCCGGAAGACCATGGATATTGAC
CATATCCTTGATTGGCAGCCCCAGAGGTGATCCAGAAGTACATGCCTGGGGGCTGTGTGGCTATGAC
CGTGATGGCTGCCCGTGTGGTATGACATCATTGGGCCACTTGATCCCAAGGGGTTGCTCTTCTCAGTC
ACCAAGCAGGACCTGCTCAAGACCAAGATGAGGACTGTGAGCGCATCCTGCATGAGTGTGACCTGCAG
ACAGAGAGGCTAGGGAAGAAGATTGAGACCATCGTGATGATATTTGACTGTGAGGGCCTGGGACTGAAA
CACTTCTGGAACCTCTGGTAGAAGTGTACCAGGAGTCTTTGGCCTCCTGAAGAGAATTACCCAGAG
ACCCTGAAGTTCATGCTCATCGTGAAAGCTACCAAACGTGTTCCCTGTGGGCTACAACCTCATGAAGCCA
TTCCTGAGTGAGGACACTCGCAGGAAAATTATTGTGTTGGGAAATAACTGGAAGGAAGGTTTGTGAAA
CTCATCAGTCCTGAGGAAGTGCCTGCCAGTTTGGGGGACCCCTGACTGACCCAGATGGGAACCCAAA
TGTTTAACCAAGATTAACATATGGCGGGGAGATCCCCAAGTCCATGTACGTGCGGGACCAAGTGAAGACT
CAGTACGAGCACTCGGTGCAGATCAACCGGGCTCATCACCAAGTGAATACGAGATCCTATTTCCA
GGCTGCGTTCTCAGGTGGCAGTTCTCATCTGATGGTGCGGACATCGGCTTCGGAGTTTCTGAAAGACC
AAGATGGGGGAGCGACAGCGGGCAGGGGAGATGACAGATGTTCTACCCAGCCAGCGCTATAACGCCAC
ATGGTGCCCGAGGATGGAAACCTCACCTGCTCAGAGGCCGGCTCTATGCTCTACGCTTCGACAACACC
TATAGCTTTGTCCACGCCAAGAAGTCACTTACAGTGGAGGCTCTGCTCCCTGACGAGGGCATGCAG
AAATATGATAAGGAGCTCACCCTGTCTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



ACCN:	NM_174975
Insert Size:	1203 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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_174975.4</u>
RefSeq Size:	2089 bp
RefSeq ORF:	1203 bp
Locus ID:	266629
UniProt ID:	<u>Q9UDX4</u>
Cytogenetics:	22q12.2
MW:	46 kDa

Gene Summary:

The protein encoded by this gene is highly similar to the protein encoded by the *Saccharomyces cerevisiae* SEC14 gene. The SEC14 protein is a phosphatidylinositol transfer protein that is essential for biogenesis of Golgi-derived transport vesicles, and thus is required for the export of yeast secretory proteins from the Golgi complex. The specific function of this protein has not yet been determined. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Jul 2012]

Transcript Variant: This variant (1) encodes the longest isoform (1).