

Product datasheet for **SC315643**

SEC24A (NM_021982) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SEC24A (NM_021982) Human Untagged Clone
Tag:	Tag Free
Symbol:	SEC24A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC315643 representing NM_021982. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC**GCGATCGCC**
ATGTCCCAGCCGGGAATACCGGCCTCCGGCGGCCCCAGCCAGCCTCCAGGCCAGAACGGAGCCGCC
TTGGCCTCGGGGTCTCCCTACACCAACGGTCTGTCCAAATGCATTGCTGTCTTCAAGAGTCAGTG
AGCCAAGGATACAATTTCCAGCTTCCAGGATCCTACCCTCATCCAATACCAGCAAAGACTTTGAATCCA
GTCTCTGGACAGTCTAATATGGTGGTTCTCAGGGATCTGGGCAGACTCTAATAGACCACCTGTGGCC
TCTAATCCAGTGACACCTTCGCTTCATAGTGGTCTGCTCCCGAATGCCATTACCTGCTTCTCAGAAC
CCAGCTACTACCAATGCCTTCTAGTAGCTTTCTTCTGAAGCCAACCTGCCACCACCTTTGAATTGG
CAATATAACTATCCATCCACAGCCTCACAAACAAACCATTTGTCCTCGTGCATCATCCCAACCACTGTA
TCTGAAATACAAGTTTAACCAAAATCATCAATATGTTTCTTCTGGATATCCTTCACTTCAAAATAGC
TTCATAAAGTCAGGTCTTCTGTACCTCCCTTAGTGAATCCACCTCTGCCTACAACCTTTCAACCAGGA
GCTCCTCATGGGCCCCCTCCAGCTGGAGGCCACCCCCAGTGAGGGCCCTCACGCCCTGACATCATCA
TATAGAGATGTACCCAGCCCTTATTTAATTACAGCTGTCAACCAAGAAGTATTACATCAAATACCAAT
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CTTACTAACAAGAATCCCAAAATGAGCCGAAGTGTGGATATTCATATCCCTCCTTACCACCTGGTTAT
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CAAAATGCTACTATTGAGTTTATGGCTCCTTCAGAATACATGTTACGACCACCTCAGCCTCCAGTGTAT
CTCTTTGTATTTGATGTGTCTCACAATGCAGTCGAAACTGGATACCTTGAATTCAGTTTGCCAGAGTTTG
TTAGACAATCTGGATTTGCTTCTGGCAACACTAGAACAAAAATTGGCTTCATAACATTTGACAGTACA



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ATCCATTTCTACGGTCTTCAGGAAAGTCTCTCAACCTCAGATGCTAATAGTTTCAGATATTGAAGAT
GTTTTTATACCTATGCCAGAGAACTTATTAGTAAACTAAATGAAAGTAAAGAGCTCGTGCAAGATTTA
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GCTGCCTTTAAGCTGATGTCTCCAAGTGGTGGTGAATGTCTGTCTTTCAAACACAACCTCCCACTCTT
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TCGACTCTGAATGATGTCTTTCTGGAGCTGATGTTCAAGCAATTCAGGGTTATTGGCCAATATGGCT
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GATGAACGCATTTTGTCTATGTGTCAAGTGAAAAACCAGCCCTTGGTTTACCTTATGCTCACAACCTCAT
CCCAGTTTGTATAGAGTTGACAATCTCTCAGATGAGGGAGCACTCAACATCAGTGATAGAACCATACCT
CAGCCCCCATTTCTTCAGCTTTTCAGTGGAGAAGCTGAGCAGAGATGGAGCTTTCCTCATGGATGCAGGC
TCTGTACTGATGCTTTGGGTGGAAAAAATTGTACACAGAATTTCTCAGCCAAGTTCTAGGAGTTCAA
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AGTCCAATGAAAGCAAACCTTCTTCAAACATGATAGAAGACAGAACAGAACTCTGCATTATCATATTAT
GAATTCCTGTTGCATATACAGCAACAAGTGAATAAATGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

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Restriction Sites:	Sgfl-MluI
ACCN:	NM_021982
Insert Size:	3282 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.

RefSeq: NM_021982.2

RefSeq Size: 6400 bp

RefSeq ORF: 3282 bp

Locus ID: 10802

UniProt ID: O95486

Cytogenetics: 5q31.1

MW: 119.7 kDa

Gene Summary: The protein encoded by this gene belongs to a family of proteins that are homologous to yeast Sec24. This protein is a component of coat protein II (COPII)-coated vesicles that mediate protein transport from the endoplasmic reticulum. COPII acts in the cytoplasm to promote the transport of secretory, plasma membrane, and vacuolar proteins from the endoplasmic reticulum to the golgi complex. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2011]
Transcript Variant: This variant (1) encodes the longer isoform (1).