

Product datasheet for **SC302849**

Sec8 (EXOC4) (NM_001037126) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sec8 (EXOC4) (NM_001037126) Human Untagged Clone
Tag:	Tag Free
Symbol:	EXOC4
Synonyms:	SEC8; SEC8L1; Sec8p
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_001037126 edited
 CCAAGATGGCGGCAGAAGCAGCTGGTGGGAAATACAGAAGCACAGTCAGCAAAAAGCAAAG
 ACCCTCGGGCTGCTCATCTCTGTGATCAGGACTCTGTCTACTAGTGACGATGTGCAAG
 ACAGGGAAAATGAAAAGGGTCGCCTTGAAGAAGCCTACGAGAAAATGTGACCGTGACTGG
 ATGAATTGATTGTACAGCACTACACAGAATTGACGACAGCCATTGCGACATACCAGAGCA
 TCACAGAGCGCATCACTAACTCCCGAAAATAAAATAAAGCAGGTAAAAGAGAACCTGCTTT
 CATGCAAGATGCTGCTGCACTGCAAAACGGGATGAGCTTCGGAACTGTGGATTGAAGGAA
 TTGAGCATAAGCATGTCCTGAATTGTTGGATGAAATTGAGAATATCAAGCAAGTGCCTC
 AAAAGCTGGAACAGTGCATGGCCAGCAAGCACTATCTCAGTGCCACTGACATGTTGGTGT
 CAGCAGTTGAGTCTTTGGAGGGCCCTGCTCCAGGTGGAAGGACTGAGTGACCTTCGAC
 TAGAGCTTCACAGCAAGAAGATGAACCTTCACTTGGTTTCATAGATGAACTACACCGGC
 ACCTGTACATCAAATCGACTAGCCGAGTTGTGCAGCGTAACAAGGAAAAAGGGAAAATCA
 GCTCCCTCGTGAAAGATGCTTCTGTTCCCTCTGATTGATGTTACAAACCTCCCTACTCCTC
 GAAAAATTCCTTGATACCTCTCACTATTCTACTGCTGGAAGCTCAAGTGTGAGGGAGATAA
 ATCTGCAGGACATCAAGGAAGATTTAGAATTGGATCCAGAGGAAAACAGCACCCCTGTTTA
 TGGGTATCCTCATTAAAGGGCTTGGCGAAACTGAAGAAGATCCCAGAAAACAGTTAAGGCAA
 TCATAGAGCGCTTGGAGCAGGAGTTGAAGCAAATGTGAAGAGGTCTACAACCCAGGTGG
 CAGACAGTGGCTATCAGCGGGGGGAGAACGTTACTGTGGAGAACCAACCAAGGTTGCTTC
 TAGAAGTCTGGAGTTACTGTTTGACAAGTTTAAATGCTGTAGCCGCTGCACACTCTGTGG
 TCCTGGGATACCTGCAGGACACTGTAGTGACTCCACTGACTCAGCAGGAAGATATCAAAC
 TGTATGATATGGCAGATGTATGGGTGAAGATCCAAGATGTTCTACAGATGCTATTAAGT
 AGTACTTGGATATGAAAAATACTCGTACGGCTCTGAACCATCAGCTCAACTAAGCTATG
 CCAGCACTGGACGAGAGTTTGCAGCCTTTTTTGGCAAGAAGAAACCTCAAAGGCCAAAAA
 ATTCTCTTTTCAAGTTCGAATCGTCTCCCATGCCATCAGTATGAGCGCCTATCTGCGAG
 AACAGAGAAGGGAGCTCTATAGTCGGAGTGGAGAAGTGAAGGGTAG



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_001037126 unedited</p> <pre>GTGCCTTTGTATACGACTCCTATAGGGCGGCCGAGTAACTCGGCACGAGGCCAAGATGGC GGCAGAAGCAGCTTGGTGGGAAATACAGAAGCACAGTCAGCAAAAGCAAAGACCCCTCGG GGCTGCTCATCTCTGTGATCAGGACTCTGTCTACTAGTGACGATGTGGAAGACAGGGAAA ATGAAAAGGGTCGCCTTGAAGAAGCCTACGAGAAATGTGACCGTGACCTGGATGAATTGA TTGTACAGCACTACACAGAATTGACGACAGCCATTGCGACATACCAGAGCATCACAGAGC GCATCACTAACTCCCAGAAATAAAATAAAGCAGGTAAAATAGAACCTGCTTTCATGCAAGA TGCTGCTGCACTGCAAAACGGGATGAGCTTCGGAAACTGTGGATTGAAGGAATTGAGCATA AGCATGTCCTGAACTTGTGGATGAAATTGAGAATATCAAGCAAGTGCCTCAAAAGCTGG AACAGTGCATGGCCAGCAAGCACTATCTCAGTGCCACTGACATGTTGGTGTGACGAGTTG AGTCTTTGGAGGGCCCCCTGCTCCAGGTGGAAGGACTGAGTGACCTTCGACTAGAGCTTC ACAGCAAGAAGATGAACCTTCACCTGGTTCTCATAGATGAACTACACCGGCACCTGTACA TCAATCGACTAGCCGAGTTGTGCAGCGTAACAAGGAAAAAGGGAAAATCAGCTCCCTCG TGAAAGATGCTTCTGTTCTCTGATTGATGTTACAAACCTCCCTACTCCTCGAAAATTCC TTGATACCTCTCACTATTCTACTGCTGGAAGCTCAAGTGTGAGGGAGATAAATCTGCAGG ACATCAAGGAAGATTTAGAATTGGATCCAGAGGAAAACAGCACCTGTTTATGGGTATCC TCATTAAGGGCTTGGCCGAAACCTGAAGAAAGATCCAGAAAAACAGTTTAAAGGC</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_001037126 unedited</p> <pre>TCACTCCAAAACCGAGGCCCGGAGAGCACTTGGGGAGGGGTCACAGGGATGCCACCCG GGATCTGTTCCAGAAACAGCTATGACCGCGCCGCAATCTAGACTACCCTTGAGTTCTC CACTCCGACTATAGAGCTCCCTTCTGTTCTCGCAGATAGGCGCTCATACTGATGGCAT GGGAGGACGATTGAACTTGAAGAGAAATTTTTGGCCTTTGAGTTTCTTCTTGCCAA AAAAGGCTGCAAACTCTCGTCCAGTGTGCGCATAGCTTAGTTGAGCTGATGGTTCAGAGG CCGTACGAGTATTTTTATATCCAAGTACTCAGTTAATAGCATCTGTAGAACATCTTGAA TCTTACCACATACATCTGCCATATCATACAGTTTGATATCTTCTGCTGAGTCAGTGGAG TCACTACAGTGTCTGCAAGTATCCCAGGACCACAGAGTGTGACGCGCTACAGCATTAA ACTTGTCAAACAGTAACTCCAGCAGTTCTAGAAGCAACCTTGGTTGGTTCTCCACAGTAA CGTTCTCCCCCGCTGATAGCCACTGTCTGCCACCTGGGTTGTAGACCTTTCACAATTT GCTTCAACTCTGCTCCAAGCGCTCTATGATTGCCTTAACTGTTTCTGGGATCTTCTTCA ATTTCCGCAAGCCCTTAATGAGGATACACATAAACAGGGTGTCTTTTCTGATGATGATCA ATTCTAAATCTTCTTGGATGTCCTGCAGATTTATCTCCCTCACACTTGAGCTTCCAGCAC TAGAATAGTGAGAGGTATCAATGAATTTTCGAGGAGTAGGGAGGTTTGGTAAACATCATCA GAGGAACAGAAGCATCTTTCACGACGGGAGCTGCTTTTCCCTTTTCTTTGTTACGCT GCACAACATCGGCTAGTCGATTTGATGTACA</pre>
Restriction Sites:	Please inquire
ACCN:	NM_001037126
Insert Size:	1400 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:	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
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_001037126.1](#), [NP_001032203.1](#)

RefSeq Size: 1620 bp

RefSeq ORF: 1422 bp

Locus ID: 60412

Cytogenetics: 7q33

Protein Pathways: Tight junction

Gene Summary: The protein encoded by this gene is a component of the exocyst complex, a multiple protein complex essential for targeting exocytic vesicles to specific docking sites on the plasma membrane. Though best characterized in yeast, the component proteins and functions of exocyst complex have been demonstrated to be highly conserved in higher eukaryotes. At least eight components of the exocyst complex, including this protein, are found to interact with the actin cytoskeletal remodeling and vesicle transport machinery. The complex is also essential for the biogenesis of epithelial cell surface polarity. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jul 2008]
Transcript Variant: This variant (2) lacks multiple exons in the 3' coding region and has a unique 3' UTR, compared to variant 1. This variant encodes isoform b which is much shorter than isoform a.