

Product datasheet for **SC110027**

SEC22C (NM_004206) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SEC22C (NM_004206) Human Untagged Clone
Tag:	Tag Free
Symbol:	SEC22C
Synonyms:	SEC22L3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC110027 sequence for NM_004206 edited (data generated by NextGen Sequencing)

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ATGTCCGTGATCTTTTTGCCTGYGTGGTACGGGTAAGGGATGGACTGCCCTCTCAGCC
TCTACTGATTTTTACCACACCCAAGATTTTTGGAATGGAGGAGACGGCTCAAGAGTTTA
GCCTTGCGACTGGCCAGTATCCAGGTCGAGGTTCTGCAGAAGGYTGTGACTTTAGTATA
CATTTTTCTTCTTCGGGGACGTGGCCTGCATGGCTATCTGCTCCTGCCAGTGCCAGCA
GCCATGGCCTTCTGCTTCTGGAGACCCTGTGGTGGGAATTCACAGCTTCCTATGACACT
ACCTGCATTGGCCTAGCCTCCAGGCCATACGCTTTTCTTGAGTTTGACAGCATCATTGAG
AAAGTGAAGTGGCATTAACTATGTAAGTTCCTCTCAGATGGAGTGCAGCTTGGAAAAA
ATTCAGGAGGAGCTCAAGTTCAGCCTCCAGCGTTCTCACTCTGGAGGACACAGATGTG
GCAAAATGGGGTGATGAATGGTCACACACCGATGCACTTGGAGCCTGCTCCTAATTTCCGA
ATGGAACCAAGTGACAGCCCTGGGTATCCTCTCCCTCATTCTCAACATCATGTGTGCTGCC
CTGAATCTCATTGAGGAGTTTCAYCTTGCGAGAATTCTTTACAGGTTGCCCATGAGGAA
ATTGAAAACATTGCGCTTTTCTGTTCCTTTTCGTAGCCTGCATTTTCCAGGATCCAAGG
AGCTGGTTCTGCTGGTTGGACCAACCTCGTGA
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Clone variation with respect to NM_004206.3
24 c=>y;165 t=>y;624 c=>y



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_004206 unedited
 GACATTTGTATACGACTCCTATAGGGCGGCCGGAATTCGCACGAGGCTGCCGGTGACCT
 GGGCCGAGCCCTCCCGTTCGGCTAAGATTGCTGAGGAGGCGCGGGTAGCTGGCAGGCGC
 CGACTCCGAAGGCCCGCGTCCGGGCGAGGTGTCTCATGACTTCTTTGTGGACCATGT
 CCGTGATCTTTTTGCCTGCGTGGTACGGTAAGGGATGGACTGCCCCCTCAGCCTCTA
 CTGATTTTTACCACACCAAGATTTTTTGAATGGAGGAGACGGCTCAAGAGTTTAGCCT
 TGCGACTGGCCAGTATCCAGGTCGAGGTTCTGCAGAAGGTTGTACTTTAGTATACATT
 TTTCTTCTTCGGGACGTGGCCTGCATGGCTATCTGCTCCTGCCAGTGTCCAGCAGCCA
 TGGCCTTCTGCTTCTGGAGACCCTGTGGTGGGAATTCACAGTTCCTATGACACTACCT
 GCATTGGCCTAGCCTCCAGGCCATACGCTTTTCTTGAGTTTGACAGCATCATTAGAAAAG
 TGAAGTGGCATTAACTATGTAAGTTCCTCTCAGATGGAGTGCAGCTTGAAAAAATTC
 AGGAGGAGCTCAAGTGCAGCCTCCAGCGGTTCTACTCTGGAGGACACAGATGTGGCAA
 ATGGGGTATGAATGGTACACACCGATGCACTGGAGCCTGCTCCTAATTTCCGAATGG
 AACAGTGCAGCCCTGGTATCCTCTCCCTATTCTCACATCATGTGTGCTGCCCTGAA
 TCTCATTGCAGAGTTCACCCTGCAGAACATTCTTACAGTTGCCCACTGAGAAATTGG
 AACATCCTGCCTTTNCTTGTCTTTTCGAGCCGCAATTTTCAAGTCCAAGAGCTGNTCT
 GCTGGTTGGACCAACCCTCTGAGCCAGCCCCCT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_004206 unedited
 ACCGCGGCCGCAATCTANAGTCGAGTTTTTTTTTTTTTTTTTTTAAATAAACAACCTTTAGATT
 TATTCTGCCATTTCTGAAGCCACCTCATTTAATTTATACATAGGATATAAATGGCTATAC
 ATTTTTACACACTTTTACAAGTTTAGGTTGACTACTGAGTTTGTAAAATGTACCCA
 TTATTTACTCAAAATATTTATTGTTACAAGAAAACCGTAAGAAGCTTGTGTAACATGAAC
 AGCAAGTATTGAAAACGAATATGTAAAGTAAATGGTTTTGCCCTGACTAAATCAGCCTCA
 GTATTTTATGCTTTTAGTAGAAAAGCCATTAAACAAAATAGAATCCTGGGGATCAAAT
 CATATGAATGATTCATGAAATAACAATTCTGAAGCAACCCAGAAATCATATAAATGTAAG
 GGTTAAAGGTCATATGACTAAGCATGGGTGAGGAAATAGAATGGATTTGTTAATTTTA
 CCCTAAATAAAAGGCGCTGTGGGCAACAGCTCTGCCATCAATACACATGGGCAGATGTT
 TCCGAATCCAGCCATCCAGATTTCACTGACATGCCCTTTTCCACAAGCTCCCTGCTGA
 TGAGATTTCCCGCAGCAGAGAAGTTTACATCACTGCTCCCGGATGGGAGAATCACAGCT
 CTCCTCATTGGGTCAGGNGTGGCTGGCTCACGAAGTTTGTCCAACAGCAAGACCCAG
 CTCTTGGATCCTGGAAAATGCACGCTTCGAAAAGAACCAGAACGCCANAATGTTTCAAT
 TTCTCATGGGCCACTGTAAGATGTTCTGCAAGTGAACCTCTCAATGACATCAGGCCACA
 CACTGACGTGGAGATTAGGAAAGATCCCANGTTGCCCTGGTCCATTTGAAATTGAACAGT
 TTCATGCTCGTGGTGACCATTTACCATCTTCCAATTGTGCTTCAAAGAAACCGTGGGCTC
 ACTGACCCCGAATTT

Restriction Sites:

NotI-NotI

ACCN:

NM_004206

Insert Size:

1540 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.

RefSeq: [NM_004206.2](#), [NP_004197.1](#)

RefSeq Size: 1519 bp

RefSeq ORF: 753 bp

Locus ID: 9117

UniProt ID: [Q9BRL7](#)

Cytogenetics: 3p22.1

Protein Families: Transmembrane

Gene Summary: This gene encodes a member of the SEC22 family of vesicle trafficking proteins. The encoded protein is localized to the endoplasmic reticulum and may play a role in the early stages of ER-Golgi protein trafficking. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Jan 2011]
Transcript Variant: This variant (2) differs in the 3' UTR and uses an alternate splice site in the 3' coding region, which results in a frameshift, compared to variant 1. The encoded isoform (b), is shorter and has a distinct C-terminus, compared to isoform a. Variants 2 and 3 encode the same isoform (b).