

Product datasheet for **SC117083**

SEC22L1 (SEC22B) (NM_004892) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SEC22L1 (SEC22B) (NM_004892) Human Untagged Clone
Tag:	Tag Free
Symbol:	SEC22L1
Synonyms:	ERS-24; SEC22L1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC117083 sequence for NM_004892 edited (data generated by NextGen Sequencing) ATGGTGTTGCTAACAAATGATCGCCCGAGTGGCGGACGGGCTCCCGCTGGCCGCCTCGATG CAGGAGGACGAACAGTCTGGCCGGGACCTTCAACAATATCAGAGTCAGGCTAAGCAACTC TTTCGAAAGTTGAATGAACAGTCCCCTACCAGATGTACCTTGAAGCAGGAGCCATGACT TTTCACTACATTATTGAGCAGGGGTGTGTTATTTGGTTTTATGTGAAGCTGCCTTCCCT AAGAAGTTGGCTTTTGCCTACCTAGAAGATTTGCACTCAGAATTTGATGAACAGCATGGA AAGAAGGTGCCCACTGTGTCCCACCCTATTCCTTTATTGAATTTGATACTTTCATTCAG AAAACCAAGAAGCTCTACATTGACAGTCGTGCTCGAAGAAATCTAGGCTCCATCAACACT GAATTGCAAGATGTGCAGAGGATCATGGTGGCCAATATTGAAGAAGTGTACAACGAGGA GAAGCACTCTCAGCATTGGATCAAAGGCTAACAAATTTGTCCAGTCTGTCCAAGAAATAC CGCCAGGATGCGAAGTACTTGAACATGCGTTCCACTTATGCCAACTTGCAGCAGTAGCT GTATTTTTTCATCATGTTAATAGTGTATGTCCGATTCTGGTGGCTGTGA

Clone variation with respect to NM_004892.4
96 g=>a;211 g=>t;245 c=>a;388 t=>c;402 c=>t;459 c=>t;569 a=>g



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_004892 unedited</p> <pre> TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGCGGAGACGCAAGC AGCTGGATCTCCGGTAACTGAGAAATAGGGTATAACTGTTGTGCGCGGCGGAGGAAGTGAG GACGGCGCCAAGGGCCTCCGGGCCAGTGTGGATCCCTGTAGTTTGTGAAGATGGTGT GCTAACAATGATCGCCGAGTGGCGGACGGCTCCCGCTGGCCGCTCGATGCAGGAGGA CGAACAGTCTGGCCGGGACCTTCAACAATATCAGAGTCAGGCTAAGCAACTCTTTGAAA GTTGAATGAACAGTCCCCTACCAGATGTACCTTGAAGCAGGAGCCATGACTTTTCACTA CATTATTGAGCAGGGGGTGTGTTATTTGGTTTTATGTGAAGCTGCCTTCCCTAAGAAGTT GGCTTTTGCCTACCTAGAAGATTTGCACTCAGAATTTGATGAACAGCATGGAAAAGAGGT GCCCACTGTGTCCCGACCCTATTCCTTTATTGAATTTGATACTTTCATTTCAGAAAACCA GAAGCTCTACATTGACAGTCGTGCTCGAAGAAATCTAGGCTCCATCAACACTGAATTGCA AGATGTGCAGAGGATCATGGTGGCCAATATTGAAGAAGTGTACAACGAGGAGAAGCACT CTCAGCATTGGATTCAAAGGCTAACAATTTGTCCAGTCTGTCCAAGAAATACCGCCAGGA TGCGAAGTACTTGAACATGCGTTCCACTTATGCCAACTTGACAGCAGTAGCTGTATTTTT CATCATGTTAATAGNGTATGTCCGATTCTGGTGGCTGTNGAATAATGAATACAGTCACTG GNTAGGNAGAACCCTAGAACCCNAGTAGTGATATTTTCAGGAAACTGAGCTCACANAGA TGTGTATTAGAATCCAAGTGGAACCTTCTGCCTCTAAAGACTTGCAGAAAAAA </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_004892
Insert Size:	2770 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info</p>
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:	<ol style="list-style-type: none"> 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_004892.3 , NP_004883.1
RefSeq Size:	1859 bp

RefSeq ORF:	648 bp
Locus ID:	9554
UniProt ID:	<u>O75396</u>
Cytogenetics:	1p12
Domains:	synaptobrevin
Protein Pathways:	SNARE interactions in vesicular transport
Gene Summary:	The protein encoded by this gene is a member of the SEC22 family of vesicle trafficking proteins. It seems to complex with SNARE and it is thought to play a role in the ER-Golgi protein trafficking. This protein has strong similarity to Mus musculus and Cricetulus griseus proteins.[provided by RefSeq, Sep 2009]