

Product datasheet for **SC108247**

SEC31B (NM_015490) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SEC31B (NM_015490) Human Untagged Clone
Tag:	Tag Free
Symbol:	SEC31B
Synonyms:	SEC31B-1; SEC31L2
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for NM_015490, the custom clone sequence may differ by one or more nucleotides

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ATGAAGCTGAAGGAACTTGAGCGGCCAGCTGTCCAGGCATGGAGCCCAGCCAGCCAATACCCCTTTGTATC
TGGCCACAGGAACATCTGCCAACAGCTAGATTCCTCCTTCAGCACAAATGGCACATTGGAATATTTGA
GGTTGATTTTCAGGGACCTTCTCTGGACTTGAACACAGAGGAGTCTTTCTGCCTTGAGCAGGTTTCAC
AAGCTGGTCTGGGGAGCTTTGGCAGTGGGCTTCTGAAAAGCTCCGGGGTTATTGTTGGCGCGGGGACA
ATGGCATGCTTATCTATACAATGTGACCCACATCCTGTCTTCGGGAAGGAGCCTGTGATTGCTCAGAA
ACAGAAGCACACGGGGCTGTCAGAGCCCTCGACTTGAATCCTTTCCAGGGCAACCTCCTGGCTTACAGG
GCCAGCGATTCTGAAATCTTCATTTGGGATCTGAATAACTTGAATGTGCCAATGACCCTGGGATCCAAGT
CACAGCAGCCTCCAGAGGACATCAAGGCACTGTCTTGAACCGGCAAGCCCAACACATTCTGTCTTCTGC
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AGCAACAGGATGCACTGCTCAGGCTGGCTGGCATCCTGACATAGCCACCCAGTTAGTGCTGTGCTCAG
AGGATGATCGACTTCCCCTGATTTCAGCTGTGGGACTTGCCTTTGCCTCCTCGCCCTTGAAGGTGCTGGA
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GAAATGACCTCAACAGTACAGACAACAGGCTTCTGCAGCCAGGCTCCAAACACACCACAAAGGAAGC
CTCTGCTTCTCAGCCTTCTTGTGAGCTGGTCCCTCAGAACATGACTCCTTGGGAGATCCCCATCACA
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AAAGATATTGATGGACTCCTAAGCCAGGCTCTCTGCTTGGGAACTGGGTCCGGCCGTGGAGCTGTGTC
TGAAGGAGGAGCGCTTTGCTGATGCCATTATCCTGGCCAGGCTGGGGTACAGATCTGCTGAAGCAAAC
ACAGGAGCGCTACTTGGCCAAGAAGAAAACAAAATCTCTCGCTTCTAGCCTGTGTTGTGCAAAAGAAT
TGGAAGGATGTGGTGTGTACCTGTAGCCTGAAGAACTGGAGAGAGGCACTGGCTTTGCTACTGACATACT
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ACTAACCTCCGAAGCCAGACTCTGTTATGTGTGCTCAGGGAGTGTGGAGCGGCTGGTGGAGTCTGGGCA
AAATGCCACCAGGCTTTGTCCCCATGGCTCTGCAGGACCTGATGGAGAAGGTGATGGTTCTTAAACAGGA
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TCTGCAAGCTTCCCTGTGCCATACCTTCCAGGGACCCAGGTGCCCCATGCTCTAGTGTCTCCCAACC
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TCCAGAGGAACAAGTCCAGAGACATTTATGCCCCAGACCAATTACTGCTCCAGTTATGAGCCTCAC
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CTCTCACCTCATGTGCTGGCTGGCTCCATGAGGTTGCCGATGTGTGGATGCAGGAAGCTTTGAGCAGG
GCCTTGCAGTGCATGCCAGGTGGCGGGCTGTAGCAGCTTCCAGGAGGTGCCAGCTTCCATGCTATCCT
GAAGGCTGCTCATCATCGCTCATAAGCTGCTGGTCTAA

**5' Read Nucleotide
Sequence:**

>OriGene 5' read for NM_015490 unedited
TTANGATTAGTATACGACTCACTATAGGCGGCCGGAATTCGCACGAGGTGGATACATCC
CCCACACCTGTTTCTTGGCATGTCATGTGTATGCAGCTTTCGGTTTCTGGCTTTCATG
ATATTCATGTGCTGGGTGGGGGACGTGTACCCTGTCTACCAGCCTGTGTGGGCTGAGGGC
CATGTGCTGTTTTCTGCCACCTACAGGATAGACCATGAAGCTGAAGGAACTTGAAGCGCCA
GCTGTCCAGGCATGGAGCCAGCCAGCCAATACCCTTTGTATCTGGCCACAGGAACATCT
GCCAACAGCTAGATTCCTCCTCAGCACAAATGGCACATTGGAATATTTGAGGTTGAT
TTCAGGGACCTTCTCTGGACTTAAAACACAGAGGAGTCTTTCTGCCTTGAAGCAGGTTT
CACAAGCTGGTCTGGGGGAGCTTTGGCAGTGGGCTTCTGAAAAGCTCCGGGGTTATTGTT
GGCGGCGNGACAATGGCATGCTTATTCTATACAATGTGACCCACATCCTGTCTTCGGNG
AAGGAGCCTGTGATTGCTCAGAAACAGAAGCACACGGNGGCTGTGAGAGCCCTCGACTTG
AATCCTTTCCAGGGCAACCTCCTGNCTTCAAGGGCCAGCGATTCTGAAATCTTCAATTTGG
GATCTGAATAACTTGAATGTGCCAATNGACCCTGGATCCAAGTCAAGTATCATGAGCAG
CCTCCAGAGGACATCAAGGCACTGTCTTGAACCGGCAAGCCACACATCTGTCTTCTG
CTACCCCATGGCAGGCAAGTGTGTGGGAATCTCAGAAGTGAATATCATCAAGTCATG
ATCCAGCACAGGATCCTGCTCAGCCTGGCCTGCTACTGACTAGCCCCANTATGCTGGCT
CNAAGATGATGACTTCCGGATCACTGTGGACTGCG

3' Read Nucleotide Sequence:	>OriGene 3' read for NM_015490 unedited ATGGACCGCGCCGCAATCTAGAGTCGAGNTTTTTTTTTTTTTTTTTTTTTTTTTTAA CCAAATCGAAGCAGCTTTATTGCACCATTAAGTACATCACTGCATCAAAGACAGTGCCAC AAATGCAAATCCAATCGGAGAAGGTAGCCCTGAAACATGTGGTGGCTGCGAGGAAAAGG ACCCCCAACCCTTGAGGAGCAGCGCTGGAAGAGAATCATTCTTAATATGGCTCCAATTC CAGAACTGGGCTTTATCATCACAGAAGGAATGGCCTTGGGCTAAGGCTCCAACATAGGTG GAGTCAAGGGCAGTTCCCATAGGCTGGGTTCCCTGTCTCAGCCTAAGAC AGCTTCCAGCAAAGGCAGTTTCATCCCTTTCACCTTCCATCCAACCTAGCCCACCCTTAA TAATGCCGGCAGATGAGAAATTCATTTAACAGCGCCAAAGTTTCTCTCTTGGTTCTG CTCAGCACCCATCCCTCACGTCCATGAGTTGTTCAAAGGGTGAACAGCAGTCAGCTCTAC CCCAGACCCTGGGCTACAGAGAAATACGGACCTGGAAATACCAAGTCAGAGGCAGGGAAA AGGTAAGGGCAGGCTCATAACCCACAGAAGGGAGAAACAAAAGACCCACATGACGGGTCA CAGNCGAGGCAGGCTCAAAGTAACCACTCTGTTCACCTCTCAGAAGCCCACTTAA TAGAAGCATCCCTCGGGGAGAAGATATCCCTGCCCCAGGTCCCTCCGGAGCGTTTTAT TAGGGGAGAGTGAACACTTGATTCTATGCCCTGCCCTCCAGGCTTGACAGTGTCTTG GGCCACCACCCTCACATGCCCGCTAAACGGAGTCAAACGCCGGGCCCTACGCCCGCT TGTCAACCAGCCTCCCGCATACTATCCCTGGTACCAAGGCACAAAGCCGCGACACAA CACAACCTGTTGCGAACGCTCCCTCTCTTGCCGAAGGAGTTCGTACAGCCGACGGCGTCC TATAACAAG
Restriction Sites:	NotI-NotI
ACCN:	NM_015490
Insert Size:	5000 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:	<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:	<u>NM_015490.3</u> , <u>NP_056305.1</u>
RefSeq Size:	4631 bp
RefSeq ORF:	3540 bp
Locus ID:	25956
UniProt ID:	<u>Q9NQW1</u>
Cytogenetics:	10q24.31

Domains: WD40

Gene Summary: This gene encodes a protein of unknown function. The protein has moderate similarity to rat VAP1 protein which is an endosomal membrane-associated protein, containing a putative Ca²⁺/calmodulin-dependent kinase II phosphorylation site. [provided by RefSeq, Jul 2008]
Transcript Variant: This variant (1) represents the shorter transcript, but encodes the longer isoform (a).