

## Product datasheet for **SC110163**

### SEC23B (NM\_006363) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SEC23B (NM_006363) Human Untagged Clone
Tag:	Tag Free
Symbol:	SEC23B
Synonyms:	CDA-II; CDAIL; CDAN2; CWS7; HEMPAS; hSec23B
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_006363, the custom clone sequence may differ by one or more nucleotides

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ATGGCGACATACCTGGAGTTCATCCAGCAGAATGAAGAACGGGATGGTGTGCGTTTTAGTTGGAACGTGT
GGCCTTCCAGCCGGCTGGAGGCTACAAGAATGGTTGTACCCCTGGCTTGCTCCTTACTCCTTTGAAAGA
ACGTCCAGACCTACCTCCTGTACAATATGAACCTGTGCTTTCAGCAGGCCAACTTGTAAGCTGTTCTC
AACCCACTTTGTCAAGTTGATTATCGAGCAAACTTTGGCCTGTAAATTTCTGTTTTCAAAGAAATCAGT
TTCCTCCAGCTTATGGAGGCATATCTGAGGTGAATCAACCTGCCGAATTGATGCCCCAGTTTTCTACAAT
TGAGTACGTGATACAGCGAGGTGCTCAGTCCCCTCTGATCTTTCTCTATGTGGTTGACACATGCCTGGAG
GAAGATGACCTTCAAGCACTCAAAGAGTCCCTGCAGATGTCCCTGAGTCTTCTCCTCCAGATGCTCTGG
TGGGTCTGATCACATTTGGAAGGATGGTGCAGGTTTATGAGCTAAGCTGTGAAGGAATCTCCAAAAGTTA
TGTCTTCCGAGGGACCAAGGATTAAGTCAAAGCAAATACAGGATATGTTGGCCTGACCAAGCCAGCC
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TTTCAAACACAGGAGCCAGGATCATGCTGTTTACTGGAGGTCCCCCTACCCAAGGGCCTGGCATGGTGG
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GCCATTGGTCCATGCGTATCTCTGAATGTGAAAGGACCGTGTGTGCAGAAAATGAGCTTGGTGTGGTG
GCACGAGTCAGTGGAAAATCTGTGGCCTAGATCCTACATCTACACTTGGCATCTATTTTGAAGTTGTCAA
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AGCACCCAGAGACGCATCCGCGTGACCACCATCGCCCGAAATGGGCAGATGTACAGAGTCAGCTCAGGC
ACATAGAAGCAGCATTGACCAGGAGGCTGCGGCAGTGTGATGGCACGGCTTGGGGTGTCCGAGCGGA
GTCAGAGGAGGGGCCGATGTGCTCCGGTGGCTGGACCGACAACCTATCCGACTGTGTCAAAGTTTGA
CAGTATAACAAAGAAGACCCCACTTCTTTTAGGTTATCAGATTCCTTTTCTCTATATCCTCAGTTTATGT
TCCATCTGAGAAGATCTCATTCTTCAAGTGTTTAAACAAGTCCTGATGAGTCGTATATTACAGACA
TCATTTTGCCTGGCAGGACCTGACCCAGTCCCTCATCATGATCCAGCCATTCTCTACTTACTCCTTT
CATGGGCCACCAGAGCCAGTACTCTGGATAGCAGCAGCATTCTAGCTGACAGAATTTTGTGATGGATA
CTTTCTTTCAAATTGTCAATTTATCTTGGTGAGACCATAGCCAGTGGCGTAAAGCTGGCTACCAGGCAT
GCCCGAGTATGAAAACCTCAAGCACCTTCTGCAGGCACCACTGGATGATGCTCAAGAAAATCTGCAAGCA
CGCTTCCCGATGCCACGTTACATCAACACGGAGCATGGAGGCAGTCAGGCTCGATTCTTTTGTCCAAAG
TGAACCCATCTCAGACACACAATAACCTGTATGCTTGGGGACAGGAACTGGAGCACCCATCCTAACTGA
TGATGTTAGCCTGCAGGTGTTTATGGACCATTTGAAGAAGCTGGCTGTCTCCAGTGCCTGTAA
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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_006363 unedited TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGCTCTAGCTAGTTCC CTTTTAGACTATGGCGACATACCTGGAGTTCATCCAGCAGAATGAAGAACGGGATGGTGT GCGTTTTAGTTGGAACGTGTGGCCTTCCAGCCGGCTGGAGGCTACAAGAATGGTTGTACC CCTGGCTTGTCTCCTTACTCCTTTGAAAGAACGTCCAGACCTACCTCCTGTACAATATGA ACCTGTGCTTTCAGCAGGCCAACTTGTAAAGCTGTTCTCAACCCACTTTGTCAGGTTGA TTATCGAGCAAACTTTGGGCCTGTAATTTCTGTTTTCAAAGAAATCAGTTTCCCTCAGC TTATGGAGGCATATCTGAGGTGAATCAACCTGCCGAATTGATGCCCCAGTTTTCTACAAT TGAGTACGTGATACAGCGAGGTGCTCAGTCCCCTCTGATCTTTCTCTATGTGGTTGACAC ATGCTGGAGGAAGATGACCTTCAAGCACTCAAAGAGTCCCTGCAGATGCCCTGAGTCT TCTTCTCCAGATGCTCTGGTGGTCTGATCACATTTGGAAGGATGGTGCAGGTTATGA GCTAAGCTGTGAAGGAATCTCCAAAAGTTATGTCTCCGAGGGACCAAGGATTTAACTGC AAAGCAAATCAGGATATGTTGGCCTGACCAAGCCAGCCATGCCATGCAGCAAGCACGA CCTGCACAACACAGGAGCACCTTTTGGCTTAAGCAGATTTCTGCAGCCTGTTACAGAAT GATATGAACCTCACTGATCTTTGGGAGCTCAGAGGNACCCATGCCAGTACTCANGGG AAGAACCCTTGCATCACTGGNGNNGCTTGTCTTGTGCTGTGGCTGGCTC
<b>3' Read Nucleotide Sequence:</b>	>OriGene 3' read for NM_006363 unedited GGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTCAGGAAAACACATTTGTATTAGC AATATTTTAGCCAGTACTTTCTGCATCTAGATTTATTTCTTTTATGATCATTAAGATTCT CACCTAAACAAGCTGCCAAAATACATTACCTCTGATTTTATTTAGATTCTAAAAGTTAGG ATACAAAAGCACATAAACATCTACAAGTACAAAACATTTATGACCTTATAATTTTATA GTCAAGAAAAAGGACAAAGACAGGAATACAAATAAATTATAATCTAAAGAGTTACATAT AAAATGTCCTTGATTATTTGTTAAAATCTGCTAGAAAAGTAACAGGAATGTTATCAAGCC TTTCTAGACATTTTGAACACAATCTGACACCGTTGCATTTCTGGTTGTATCCTCAGCTT AACAGGCACTGGAGACAGCCAGCTTCTTCAAATGGTCCATGAACACCTGCAGGCTAACAT CATCAGTTAGGATGGGTGCTCCAGTTTCTGTCCCAAGCATACAGGTTATTGTGTGTCT GAGATGGGTTCACTTTGGACAAAAGGAATCGAGCCTGACTGCCTCCATGCTCCGTGTTGA TGTAACGTGGCATCGGGAAGCGTGCTTGCAGAATTTCTTGAGCATCATCCAGTGGTGCCT GCAGAAGGTGCTTGAAGTTCCATACTCGGCATGTCCTGGTAGCCAGCTTACGCCACTG GGCTATGGTCTCACCAGATAAAATGACAATTTGAAAGAAGTATCCATCAGCAAAATTCTG TCAGCTAGAATGCTGCTGCTAATCAAGATACTGGCTCTGTTGGCCACTGAAGGAGTAAGT AAGAATGGCTGAACATGAGAGGAACTGGCCACGCTGCCGGCAAATGATGTCTGTAATG ACACTCATCAGGCTGTGGTTAACCTTGAGAAAGGAAAAATTTCAATGGACAAACCAGGA ATGAG
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_006363
<b>Insert Size:</b>	2820 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_006363.4</a> , <a href="#">NP_006354.2</a>
<b>RefSeq Size:</b>	3429 bp
<b>RefSeq ORF:</b>	2304 bp
<b>Locus ID:</b>	10483
<b>UniProt ID:</b>	<a href="#">Q15437</a>
<b>Cytogenetics:</b>	20p11.23
<b>Domains:</b>	zf-Sec23_Sec24, Sec23_trunk, Sec23_helical, Gelsolin
<b>Gene Summary:</b>	<p>The protein encoded by this gene is a member of the SEC23 subfamily of the SEC23/SEC24 family, which is involved in vesicle trafficking. The encoded protein has similarity to yeast Sec23p component of COPII. COPII is the coat protein complex responsible for vesicle budding from the ER. The function of this gene product has been implicated in cargo selection and concentration. Multiple alternatively spliced transcript variants have been identified in this gene. [provided by RefSeq, Feb 2010]</p> <p>Transcript Variant: This variant (1) uses an alternative splice site and lacks a segment in the 5' UTR, as compared to variant 2. Variants 1, 2, 3 and 4 encode the same isoform (1).</p>