

Product datasheet for **SC329114**

SEC23B (NM_001172746) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SEC23B (NM_001172746) Human Untagged Clone
Tag:	Tag Free
Symbol:	SEC23B
Synonyms:	CDA-II; CDAIL; CDAN2; CWS7; HEMPAS; hSec23B
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001172746, the custom clone sequence may differ by one or more nucleotides

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ATGGCGACATACCTGGAGTTCATCCAGCAGAATGAAGAACGGGATGGTGTGCGTTTTAGT
TGGAACGTGTGGCCTCCAGCCGGCTGGAGGCTACAAGAATGGTTGTACCCCTGGCTTGT
CTCCTTACTCCTTTGAAAGAACGTCCAGACCTACCTCCTGTACAATATGAACCTGTGCTT
TGCAGCAGGCCAACTTGTAAAGCTGTTCTCAACCCACTTGTGAGGTTGATTATCGAGCA
AAACTTTGGGCCGTGAATTTCTGTTTTCAAAGAAATCAGTTTTCCAGCTTATGGAGGC
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CCTCCAGATGCTCTGGTGGGCTGATCACATTTGGAAGGATGGTGCAGGTTATGAGCTA
AGCTGTGAAGGAATCTCCAAAAGTTATGTCTTCCGAGGGACCAAGGATTTAACTGCAAAG
CAAATACAGGATATGTTGGGCCTGACCAAGCCAGCCATGCCATGCAGCAAGCACGACCT
GCACAACCACAGGAGCACCCCTTTGCTTCAAGCAGATTTCTGCAGCCTGTTACAAGATT
GATATGAACCTCACTGATCTTCTGGGGAGCTACAGAGGGACCCATGGCCAGTAACCTCAG
GGGAAGAGACCTTTGCGATCCACTGGTGTGGCTTTGTCCATTGCTTTGGCTTGTGGAG
GGCACTTTTCAAACACAGGAGCCAGGATCATGCTGTTTACTGGAGGTCCCCCTACCCAA
GGGCTGGCATGGTGGTGGAGATGAATTAAGATTCTTTCGTTCTTGGCATGATATT
GAGAAAGATAATGCACGATTATGAAAAAGGCAACCAAGCACTATGAGATGCTTGCTAAT
CGAACAGCTGCAAATGGTCACTGCATTGATATTTATGCTTGTGCCCTTGATCAAAGTGA
CTTTTGGAGATGAAGTGTGTGCAAACTTACTGGAGGCTACATGGTAATGGGAGATTCT
TTCAACTTCTCTTCAAGCAGACATTTCAAAGAATCTTACTAAAGATTTTAAATGGA
GATTTCCGAATGGCATTGGTGTACTTTGGACGTAAGACCTCTCGGAACTGAAGATT
GCAGGAGCCATTGGTCCATGCGTATCTCTGAATGTGAAAGGACCGTGTGTGCAGAAAAT
GAGCTTGGTGTGGTGGCACGAGTCAGTGGAAAATCTGTGGCCTAGATCCTACATCTACA
CTTGGCATCTATTTGAAGTTGTCAATCAGCACAAACCCCGATCCCCAAGGAGGCAGA
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ACCACCATCGCCCGAAATGGGCAGATGTACAGAGTCAGCTCAGGCACATAGAAGCAGCA
TTTGACCAGGAGGCTGCGGCAGTGTGATGGCACGGCTTGGGGTGTCCGAGCGGAGTCA
GAGGAGGGGCCCGATGTGCTCCGGTGGCTGGACCGACAACCTCATCCGACTGTGTCAAAG
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TATCCTCAGTTTATGTTCCATCTGAGAAGATCTCCATTTCTTCAAGTGTTTAACAACAGT
CCTGATGAGTCGTCATATTACAGACATCATTTTGGCCGGCAGGACCTGACCCAGTCCCTC
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TTGGATAGCAGCAGCATTCTAGCTGACAGAATTTTGTGATGGTACTTTCTTTCAAATT
GTCATTTATCTTGGTGGAGCCATAGCCAGTGGCGTAAAGCTGGTACCAGGACATGCC
GAGTATGAAAACCTTCAAGCACCTTCTGCAGGCACCACTGGATGATGCTCAAGAAATCTG
CAAGCACGCTTCCCGATGCCACGTTACATCAACACGGAGCATGGAGGCAGTCAGGCTCGA
TTCCTTTTGTCAAAGTGAACCCATCTCAGACACACAATAACCTGTATGCTTGGGGACAG
GAAACTGGAGCACCCATCCTAACTGATGTTAGCCTGCAGGTGTTTCATGGACCATTG
AAGAAGCTGGCTGTCTCCAGTGCCTGTTAA

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Restriction Sites: Please inquire

ACCN: NM_001172746

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:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_001172746.1</u> , <u>NP_001166217.1</u>
RefSeq Size:	3364 bp
RefSeq ORF:	2250 bp
Locus ID:	10483
Cytogenetics:	20p11.23
Gene Summary:	<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 (5) uses an alternative splice site and lacks an in-frame segment in the 5' CDS, as compared to variant 2. The resulting isoform (2) lacks an internal segment, as compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>