

Product datasheet for **SC115862**

SEC61B (NM_006808) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SEC61B (NM_006808) Human Untagged Clone
Tag:	Tag Free
Symbol:	SEC61B
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_006808 edited ATGCCTGGTCCGACCCCCAGTGGCACTAACGTGGGATCCTCAGGGCGCTCTCCCAGCAA GCAGTGGCCGCCCGGGCGCGGGATCCACTGTCCGGCAGAGGAAAAATGCCAGCTGTGGG ACAAGGAGTGCAGGCCGACAACCTCGGCAGGCACCGGGGGGATGTGGCGATTCTACACA GAAGATTCACCTGGGCTCAAAGTTGGCCCTGTTCCAGTATTGGTTATGAGTCTTCTGTTC ATCGCTTCTGTATTTATGTTGCACATTTGGGGCAAGTACACTCGTTCGTAG
5' Read Nucleotide Sequence:	>OriGene 5' read for NM_006808 unedited CACCAGGTCTTTTCGGGGCTCCGTAACCTTCTATCCGTCCGCGTCAGCGCCTTGCCACCC TCATCTCCAATATGCCTGGTCCGACCCCCAGTGGCACTAACGTGGGATCCTCAGGGCGCT CTCCCAGCAAAGCAGTGGCCGCCCGGGCGCGGGATCCACTGTCCGGCAGAGGAAAAATG CCAGCTGTGGGACAAGGAGTGCAGGCCGACAACCTCGGCAGGCACCGGGGGGATGTGGC GATTCTACACAGAAGATTCACCTGGGCTCAAAGTTGGCCCTGTTCCAGTATTGGTTATGA GTCTTCTGTTCATCGCTTCTGTATTTATGTTGCACATTTGGGGCAAGTACACTCGTTCGT AGATTCAGTTACATCCATCTGTCTGATCTGAAGAAGGAGGAAAAACCAACATTTCTTGA CCAAAAGTATAGTACTATCTGTTTCATGAGAGAAATTTTCTGTAAGCTTGCTGTTTTACA GGGGATTTATCAATAATTGATTTTGAGGAATCAGTTTTTTCTATGGCTAATAAACTTTT TAATTCACCTATAAAAAAAAAAAAAAAAAAAAAAAAACTCGACTCTAGATTGCGGCCGCGGT CATAGCTGTTTCTGAACAGATCCCGGGTGGCATCCCTGTGACCCCTCCCAGTGCCCTCT CCTGGCCCTGGAAGTGCCACTCCAGTGCCACC



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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_006808 unedited GCCGCGGACACCCACCCTTTTNCNNANGNTTACTTGNC CGCGGCCGATTCTAGAT CGNGTTTTTTTTTTTTTTTTTTTTTATAAGGGAATTAAGTTTATTAGCCATAGAAA AAACTGATTCCTCAAAACAATTATTGATAAATCCCCTGTAAAACAGCAAGCTTACAGAAA ATTTCTCTCATGAACAGATAGTCACTATACTTTGGTCCAAAAATGTTGGGTTTTTCC TCCTTCTCAGATGACAGATGGATGTAAGTGAATCTACGAACGAGTGTACTTGCCCAAA TGTGCAACATAAATACAGAAGCGATGAACAGAAGACTCATAACCAATACTGGAACAGGGC CAACTTTGAGCCAGGTGAATCTTCTGTGTAGAATCGCCACATCCCCCGGTGCCTGCCG AGGTTGTGCGGCCCTGCACTCCTTGTCCACAGCTGGCATTTCCTCTGCGGACAGTGG ATCCCGCCCGCCGGGCGGCCACTGCTTTGCTGGGAGAGCGCCCTGAGGATCCCACGTTAG TGCCACTGGGGTTCGGACCAGGCATATTGGAGATGAGGGTGGCAAGGCGCTGACGCGGAC GGATAGAAAGTTACGGAGCCCCGAAAGACCTGGTGCCGAAATTCGCGGCCGCCCTATAG TGAGTCGTATTACAAAATCTGACGGTTCCTAAACGAGCTTTGTATATAGACCTCCCC CGTACACGCCCTACGCCATTTGCGTCAACGGGGCGGGGTATTACCACATTTGGCAAGT CCCGTTGATTTGTGCCAAACAACCTCCATTGACGCAATGGGGGAAACTTGAAATCCCC GGGGTAAAACCGTTTCCCGCCATTGTGGACTGCCAAACCGGATACCCTGGTAAAGCGA GACTATAACCTAAGTACGCCAAAATGAAAACCCCTAGTGTGACTGGCCTT
Restriction Sites:	NotI-NotI
ACCN:	NM_006808
Insert Size:	610 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:	NM_006808.2 , NP_006799.1
RefSeq Size:	583 bp
RefSeq ORF:	291 bp
Locus ID:	10952
UniProt ID:	P60468
Cytogenetics:	9q22.33
Domains:	Sec61_beta
Protein Families:	Transmembrane

Protein Pathways: Vibrio cholerae infection

Gene Summary: The Sec61 complex is the central component of the protein translocation apparatus of the endoplasmic reticulum (ER) membrane. Oligomers of the Sec61 complex form a transmembrane channel where proteins are translocated across and integrated into the ER membrane. This complex consists of three membrane proteins- alpha, beta, and gamma. This gene encodes the beta-subunit protein. The Sec61 subunits are also observed in the post-ER compartment, suggesting that these proteins can escape the ER and recycle back. There is evidence for multiple polyadenylated sites for this transcript. [provided by RefSeq, Jul 2008]