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Product datasheet for SC118087

SEC62 (NM_003262) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SEC62 (NM_003262) Human Untagged Clone
Tag:	Tag Free
Symbol:	SEC62
Synonyms:	Dtrp1; HTP1; TLOC1; TP-1
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_003262, the custom clone sequence may differ by one or more nucleotides

ATGGCGGAACGCAGGAGACACAAGAAGCGGATCCAGGAAGTTGGTGAACCATCTAAAGAAGAGAAGGCTG
TGGCCAAGTATCTTCGATTCAACTGTCCAACAAAGTCCACCAATATGATGGGTCACCGGGTTGATTATTT
TATTGCTTCAAAAGCAGTGGACTGTCTTTTGGATTCAAAGTGGGCAAAGGCCAAGAAAGGAGAGGAAGCT
TTATTTACAACCAGGGAGTCTGTGGTTGACTACTGCAACAGGCTTTTAAAGAAGCAGTTTTTTCACCGAG
CCCTAAAAGTAATGAAAATGAAATATGATAAAGACATAAAGAAAGAAAAAGATAAAGGAAAAGCTGAAAG
TGGAAAAGAAGAAGATAAAAAGAGCAAGAAAGAAAATATAAAGGATGAGAAGACAAAAAAAGAAAAAGAG
AAAAAAAAAGATGGTGAAAAGGAAGAATCCAAAAAGGAGGAAACTCCAGGAACTCCTAAAAAGAAGGAAA
CTAAGAAAAAATTCAAACTTGAGCCACATGATGATCAGGTTTTTCTGGATGGAAATGAGGTGTATGTATG
GATCTATGACCCAGTTCACTTTAAAACATTTGTCATGGGATTAATTCTTGTGATTGCAGTAATAGCGGCC
ACCCTCTTCCCCCTTTGGCCAGCAGAAATGAGAGTAGGTGTTTATTACCTCAGTGTGGGTGCAGGCTGTT
TTGTAGCCAGTATTCTTCTCCTTGCTGTTGCTCGATGCATTCTATTTCTCATCATTTGGCTCATAACTGG
AGGAAGGCACCACTTTTGGTTCTTGCCAAATCTGACTGCTGATGTGGGCTTCATTGACTCCTTCAGGCCT
CTGTACACACATGAATACAAAGGACCAAAAGCAGACTTAAAGAAAGATGAGAAGTCTGAAACCAAAAAGC
AACAGAAGTCCGACAGTGAGGAAAAGTCAGACAGTGAGAAAAAGGAAGATGAGGAGGGGAAAGTAGGACC
AGGAAATCATGGAACAGAAGGCTCGGGGGGAGAACGGCATTCAGACACGGACAGTGACAGGAGGGAAGAT
GATCGATCCCAGCACAGTAGTGGAAATGGAAATGATTTTGAAATGATAACAAAAGAGGAACTGGAACAGC
AAACAGATGGGGATTGTGAAGAGGATGAGGAAGAGGAAAATGATGGAGAAACACCTAAATCTTCACATGA
AAAATCATAA

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5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_003262 unedited
GGTGCAAATATTTGTATACGAACTCACTATAGGGCGGCCGCGAATTCGCACGAGGGCGGA
ACGCAGGAGACACAAGAAGCGGATCCAGGAAGTTGGTGAACCATCTAAAGAAGAGAAGGC
TGTGGCCAAGTATCTTCGATTCAACTGTCCAACAAAGTCCACCAATATGATGGGTCACCG
GGTTGATTATTTTATTGCTTCAAAAGCAGTGGACTGTCTTTTGGATTCAAAGTGGGCAAA
GGCCAAGAAAGGAGAGGAAGCTTTATTTACAACCAGGGAGTCTGTGGTTGACTACTGCAA
CAGGCTTTTAAAGAAGCAGTTTTTTCACCGAGCCCTAAAAGTAATGAAAATGAAATATGA
TAAAGGAAGACAGTGCAGCCACCTCCGAGAGCCTGGATGTGATGGCGTCACAGAAGAGAC
CCTCCCAGAGGCACGGATCCAAGTACCTGGCCACAGCAAGTACCATGGACCATGCCAGGC
ATGGCTTCCTCCCAAGGCACAGAGACACGGGCATCCTTGACTCCATCGGGCGCTTCTTTG
GCGGTGACAGGGGTGCGCCCAAGCGGGGCTCTGGCAAGGACTCACACCACCCGGCAAGAA
CTGCTCACTACGGCTCCCTGCCCCAGAAGTCACACGGCCGGACCCAAGATGAAAACCCCG
TAGTCCACTTCTTCAAGAACATTGTGACGCCTCGCACACCACCNCCGTCGCAGGGAAAGG
GGAGAGGACTGTCCCTGAGCAGATTTAGCTGGNGGGCCCGAAGCCAGAGACCAGGATTTG
GCTACGNGAGCAGAGCGTCCGACTATTTAATCGCTCACAAGGGATTCAAGGGAGTCGATG
CCCAGNGCACGCTTTCCAAAATTTTAAAGCTGGAGGAGAGAAGTCGCTCTGGATCACCAT
GGCTAGACGCTGAAAACCA
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Restriction Sites: NotI-NotI

ACCN: NM_003262

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:
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_003262.3, NP_003253.1

RefSeq Size: 6541 bp

RefSeq ORF: 1200 bp

Locus ID: 7095

UniProt ID: Q99442

Cytogenetics: 3q26.2

Domains: Sec62

Protein Families: Druggable Genome, Transmembrane

Gene Summary: The Sec61 complex is the central component of the protein translocation apparatus of the endoplasmic reticulum (ER) membrane. The protein encoded by this gene and SEC63 protein are found to be associated with ribosome-free SEC61 complex. It is speculated that Sec61-Sec62-Sec63 may perform post-translational protein translocation into the ER. The Sec61-Sec62-Sec63 complex might also perform the backward transport of ER proteins that are subject to the ubiquitin-proteasome-dependent degradation pathway. The encoded protein is an integral membrane protein located in the rough ER. [provided by RefSeq, Jul 2008]