

Product datasheet for **SC115637**

SEC63 (NM_007214) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SEC63 (NM_007214) Human Untagged Clone
Tag:	Tag Free
Symbol:	SEC63
Synonyms:	DNAJC23; ERdj2; PCLD2; PRO2507; SEC63L
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_007214, the custom clone sequence may differ by one or more nucleotides

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ATGGCCGGGCAGCAGTTCAGTACGATGACAGTGGGAACACCTTCTTCTACTTCCTCACCTCCTTCGTGG
GGCTCATCGTGATCCCGGCGACATACTACCTCTGGCCCCGAGATCAGAATGCCGAGCAAATTCGATTAAA
GAATATCAGAAAAGTATATGGAAGGTGTATGTGGTATCGTTTACGGTTATTTAAACCCAGCCAAATATT
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_007214 unedited
AACGTCGATTATTTGTATACGACTCACTATAGGGCGGCCGCAATTCGCACGAGGGGAGT
GCAGAGCGTGGTCGTGGCGGCGCGGTGAGAAGAGCGAGGCGAGGGGGTGCCATGG
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TCGTGGGGCTCATCGTGATCCCGCGACATACTACCTCTGGCCCCGAGATCAGAAATGCCG
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AATACAATCCTTATGAAGTATTAATTTGGATCCTGGAGCCACAGTAGCAGAAATTAATA
AACAAATATCGTTTGCTGTCACTTAAATATCATCCAGATAAAGGAGGTGATGAGGTATGT
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AAGAAATTTGGAATCCAGATGGGCTCAAGCCACAAGCTTTGGAATTGCCCTGCCAGCTT
GGATAGTTGACCAGAAAATCAATTCTGGTTTTACTTGTATATGGATTGGCANTTATGG
TTATCCTTCCAGTTGTTGTGGGCTCTTGGTGGTATCGCTCAATACGCTATAGTGGAGACC
AGATTCTAATACGCACAACACANGATTATACATACTTTGGTTATAAAACCCGAATATGGA
TATGAAACGTCTTATCATGGTTTTGGCTGGAGCTTCTGAATTTGATCCCTCAGTATATAA
AGATGCCACAAGCGACCACCG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_007214 unedited
GCACGCAATCTAGTATCGAGTTTTTTTTTTTTTTTTTTTTTAAACGAGTCAACAACTTC
TATTTTTATTGACAGGAGTCCAAAATGAATACAAAAAAGCTTCCTTTGCATGTTATACT
TACTTTCTTAAAAAGCTCCTGATAGAGTCAAGTAGACTGAAAATAAGGATGTAGTTCA
GCTTTTAGAGTGAACCTTTTTTAAAAAAGTTTTAATAACATAAGCCACCAGTATCAGAAA
ACATACAGTCCCCTATCACTTTTAGAGCTAGAACTTATCAAAAGAATTAGATCCTGCAT
TGATCTGCTAAGATAGAGGTTTAGAAATGGTTTAAAGCCATTAAGCCATTTTTATAATC
TGTCTGATAACTCTGGGCAATTAAGAAAAGGAAAATCCAAAACGTAGCCCTCTATATCA
TGTGGAATGTGAGAGAATGCCAACTTATGACCAAGATAAGTAAAAATAAAGTTTAAATC
TATGAGTGGAGCTGTTGTATCACTGCAAAATGTCAACAACAGAGCTTATCAAGAGATTAT
CAACTTGAGCGATGTTACTTAACTTGAGCGATGTTACTTAAACATATTTGAGGAGTTT
GCTAAACTAAAGCTGAACAAAGAAAAGTCGCTCATTTACAGACTGTGTTTCTGCATCT
TTACTTTTACTGGGACCATAGACTGATNCAGATATACATAGCCACACTTCTGGACAGTT
ANTATAACAAAGGATTTATTATCATTTGCAGATGAAATAAATGTACCATCCCCTACTTGA
AAGGTTTCAATAAGCCTTACATTCTTCAGGTTGTACCAAGCACCGCACTGNCTAGTTATA
TATGCACCATTNCTAGATANAAAATACCTNCCTCAAATCAGTTCTGTACTGTTNCTGG
TNATGATACACTTCATACAGCAAAAATGCAATTGTGCAACACTGGGNNCATTTCAGAGACT
GCTAGNCTCATCTCTCN

Restriction Sites:

NotI-NotI

ACCN:

NM_007214

Insert Size:

3240 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:

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_007214.3](#), [NP_009145.1](#)

RefSeq Size: 3850 bp

RefSeq ORF: 2283 bp

Locus ID: 11231

UniProt ID: [Q9UGP8](#)

Cytogenetics: 6q21

Domains: DnaJ, Sec63

Protein Families: 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 SEC62 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]