

Product datasheet for **SC125511**

SEC23 (SEC23A) (NM_006364) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SEC23 (SEC23A) (NM_006364) Human Untagged Clone
Tag:	Tag Free
Symbol:	SEC23
Synonyms:	CLSD; hSec23A
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC125511 sequence for NM_006364 edited (data generated by NextGen Sequencing)

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ATGACAACCTATTTGGAATTCATTCAACAAAATGAAGAACGAGATGGAGTCCGATTTAGT
TGGAAATGTTTGGCCATCAAGTCGACTGGAAGCTACAAGAATGGTTGTTCCCTGTGGCAGCC
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GTTCTGCGTGGTCTCAGATGCCTTTGATATTCCTCTATGTGGTTGATACTTGCATGGAA
GATGAAGATTTACAAGCCCTGAAAGAATCCATGCAGATGTCATTAAGTCTTTTACCACCT
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Clone variation with respect to NM_006364.2
908 g=>c

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_006364 unedited
 GTAATACGACTCACTATAGGGCGGCCGCGAATTCGGCACGAGGGCCAGCCATGTTGGCCG
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 GACTGCTCCTGCTGGGCGGAGAGACAGATTTTGCAAAGCGGAGGCTGCGACGGGTCTG
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 CTTCTCTCCTCCTACTACTCATATCCTCCCTTCCCTCCCCCTCCCCCTCCCTCCA
 CCTCTCCACCCCTCCTCCTCTCTTATTCTCGTCCCNCTTCACTATTTATCCCC
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3' Read Nucleotide Sequence:

>OriGene 3' read for NM_006364 unedited
 GCGGCCGAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTAAACAGTGAAAAGTAT
 ATTTTATTGGCATTAGGCTAGCGTAGTCAATTCAAATAAAATATAACAAAGCAACTT
 ATTTAAGTAATTGAATATAACACATAAACAATTTTTTCTTAAGTTTCTGCTTTACCATC
 ATATGATTGTGTTTCATGCAAGTACAATCAATAAACTGTCCTCCTAAGCATATATCATAG
 CACCACCTTTTATTTGAGTACTTGATATGTAATTTTCATTGTCAAAACATATCTGGCTT
 TATCAATGTAACATATTTGCTACAAGTAACTTTAAAGGTAAGTGAATACTAATGAA
 TAAATCAAATAGAACTGAGCATCACATGATATAATTAAGCAAACATTATATAACTGT
 TTCAATAAGAACCACAACCTAATACATTTACAAAAAGGAAGGAAAAACAAAAAGTAATG
 TGTAAACTGCCAAAATAGTGTAAAATACTGAAGGATATAATGCAAAATTTACCTCTGAA
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 CCGTCATTTTACTGCAAAGGCTTACTAAAATGCACTCCAACANAACCATTTATTTTCTAT
 CCCCCCTTTTAAAAAACTACTGCGTTTAGTCACATAAGTTGGATATTTTGTGGAATTTCA
 CATTTTTTGTGAGCTGCGGGATTGTTACCCAAAAACCTTTTATTCTAACTTTTTTCCAA
 TACCAAAACATTATCTCTGAAATACCATATAAATCAATAATCCTAACAATCATAAATAAT
 TGCCTACCATAGTCAGAAAGTGGTACTAGTGCTGAAATACAGAAATTTTCATGATAGCAA
 AAGTCCATTACATACATTGTTTTGCTTCG

Restriction Sites:

NotI-NotI

ACCN:

NM_006364

Insert Size:

4200 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_006364.2](#), [NP_006355.2](#)

RefSeq Size: 3890 bp

RefSeq ORF: 2298 bp

Locus ID: 10484

UniProt ID: [Q15436](#)

Cytogenetics: 14q21.1

Domains: zf-Sec23_Sec24, Sec23_trunk, Sec23_helical, Gelsolin

Gene Summary: The protein encoded by this gene is a member of the SEC23 subfamily of the SEC23/SEC24 family. It is part of a protein complex and found in the ribosome-free transitional face of the endoplasmic reticulum (ER) and associated vesicles. This protein has similarity to yeast Sec23p component of COPII. COPII is the coat protein complex responsible for vesicle budding from the ER. The encoded protein is suggested to play a role in the ER-Golgi protein trafficking. [provided by RefSeq, Jul 2008]