

Product datasheet for **SC113704**

SEC61A2 (NM_018144) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SEC61A2 (NM_018144) Human Untagged Clone
Tag:	Tag Free
Symbol:	SEC61A2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC113704 sequence for NM_018144 edited (data generated by NextGen Sequencing)

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ATGGGCATCAAATTTTTAGAAGTTATCAAACCATTCTGTGCAGTTCTACCAGAAATTCAG
AAACCGGAAAGGAAAATCCAGTTTAGAGAGAAGGTTCTGTGGACTGCTATAACGCTCTTC
ATTTTCTTAGTGTGTTGTCAGATCCCAGTGTGGGAATCATGTCATCAGATTCTGCAGAT
CCTTTCTACTGGATGAGAGTTATTCTGGCTTCCAATAGAGGAACTTTAATGGAATTGGGT
ATCTCCCCAATTGTAACATCTGGTTTGATTATGCAGTTGTTAGCTGGAGCCAAAATCATT
GAAGTTGGAGATACACCGAAAGATAGAGCTTTATTCAATGGAGCCAGAAAATGTTTGGT
ATGATCATTACCATTGGGCAAGCCATTGTGTATGTCATGACGGGGATGTATGGGGACCT
GCAGAAATGGGTGCCGGAATCTGTCTCCTGATCATCATTACAGTTGTTTGTGCTGGTTTG
ATTGTGCTGCTGTTAGATGAGCTGCTACAGAAGGTTACGGCTTGGGGTCTGGGATTTCC
CTCTTTATTGCCACCAACATCTGTGAGACCATTGTCTGGAAGGCCTTTAGTCCCAGTACC
ATTAACACTGGCAGAGGTAAGTGTGAGGGTGCAGTCATAGCTCTGTTCCATTTGTTG
GCCACCAGGACGGACAAAGTCCGAGCTTTACGGGAGGCTTTTTATCGGCAGAACTTACC
AATCTCATGAACCTCATTGCTACAGTTTTTGTGTTTGTGTTGTTATATATTTCCAAGGA
TTTCGCGTTGATCTGCCATTAAGTCGGCCGTTACCGAGGACAGTACAGCAGCTACCCC
ATCAAACCTCTTACACCTCCAACATCCCATCATCCTCCAGTCGGCCCTGGTGTCCAAC
CTGTATGTTATTTCCAGATGCTGTCTGTTTCGATTTAGTGGCAACTTTTTAGTAAATTTA
CTAGGACAGTGGCCGATGTCAGTGGGGAGGACCCGCACGTTCTTACCCAGTTGGAGGC
CTTTGTTACTATCTTTCTCCTCCTGAGTCCATGGGCGCCATCTTTGAGGATCCTGTCCAT
GTCGTTGTTTATATCATCTTCATGTTGGGGTTCATGTGCATTCTTCTAAGACATGGATT
GAAGTGTCTGGTTCTCAGCCAAAGATGTAGCTAAACAGCTGAAAGAACAGCAGATGGTA
ATGAGGGGCCACCGAGATACCTCTATGGTTTCATGAGCTTAATAGGTACATCCCCACCGCA
GCTGCGTTTGGCGGTTTGTGATTGGCGCCCTGTCAGTGTGCTGACTTCTGGGGGCC
ATTGGATCTGGCACTGGAATCTGCTAGCAGTCACTATATTTACCAGTATTTTGAATA
TTTGTTAAAGAACAGGCCGAAGTTGGTGGGATGGGTGCTTTGTTTTCTAA

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Clone variation with respect to NM_018144.3



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_018144 unedited</p> <pre> ATCTTGGAATTTGTAACCGACTTATATAGGCGGCCGCGCAATTCGCACGAGGGGAGTCT GCGCGGGGTTGGGCGGAGCCTGCGCGGGGCCGGTAGGATCGCGTCGGGAGCCGGTACCGA GGCCCCGAGCCGCGGGAGTCGAGCGAAGACAGCGCCGAGGCCGGGTTCCCCCTGGGCT CCCCAGCAGCAGCCATGGGCATCAAATTTTGAAGTTATCAAACCATTCTGTGCAGTTC TACCAGAAATTCAGAAACCGAAAGGAAATCCAGTTTAGAGAGAAGGTTCTGTGGACTG CTATAACGCTCTTCATTTTCTTAGTGTGTTGTCAGATCCCACTGTTTGAATCATGTCAT CAGATTCTGCAGATCCTTTCTACTGGATGAGAGTTATTCTGGCTTCCAATAGAGGAACTT TAATGGAATTGGGTATCTCCCAATTGTAAACATCTGGTTGATTATGCAGTTGTTAGCTG GAGCCAAAATCATTGAAGTTGGAGATACACCGAAAGATAGAGCTTTATTCAATGGAGCCC AGAAAAGTGTGGTATGATCATTACCATTGGGCAAGCCATTGTGTATGTCATGACGGGGA TGTATGGGACCCTGCAGAAATGGGTGCCGGAATCTGTCTCTGATCATCATTAGTTGT TTGTTGCTGGTTGATTGTGCTGCTGTTAGATGAGCTGCTACAGAAGGGTTACGGCTTGG GGTCTGGGATTTCCCTCTTTATTGCCACCAACATCTGTGAGACCATTGTCTGGAANGGCC TTAGTCCCACTACCATTAACACTGGCAGAGGACTGAGTTTGGGGTGCAGTCATAGCTC TGTTCATTTTGTGGCCACCAGACGACAAGTCCGAGCTTTCGGGNAGGCTTTTATTCG AGAACTTACCCATCTCATGAACCTCATGCTACAGTTTTGN </pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_018144 unedited</p> <pre> CTTTGGACCGGCGGCCGCAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTGGCAATTTGA ACTACATTTATTTTCAACAAGTGGGGCAATATGAAGTGTGTTGAAATGTTGTGTGCAAA ACGAATCCATCTCACCCTCACTGTGATGATTTAACACAGCAAGGTAGATACACTGGTT TCCAGCATTACAGGCAACACTAGATGACTTTTTTTTAAATGAAATAATGTAACCTGAGT TTTAAGGCAGCGGTAATAAGTGTGCACACAGACTTAGCTCGGTGCCCATTTTCAGAAACG GGTCAGTCAGCACTTCGAAACAAGAACTGTGAGGGGAGAAAAGGGGAGCCACCAGTGTC ATCTGACAAAAACGATCCGTCAAAGTGTTCCTTTTCACACGCACAAAATGAAATATTT GAACATTTAGAAAAACAAGCACCCATCCACCAACTTCGGCCTGTTCTTTACAAATATT TCAAAATACTGGTAATAATAGTGACTGCTAGCAGAATTCAGTGCAGATCCAATGGCCC CCAGGAAGTCAGCCAGCACTGACAGGGCCCAATGCACAAACCGNCAAACGCAGCTGCGG TGGGGATGACCTATTAAGCTCATGAACCATAGAGGTATCTTCGGTGGCCCTCATTACC ATCTGCTGTTCTTTCAGCTGTTTAGCTACATCTTTGGCTGAGGAACCACTTCACTCA TGCTTANAGAAGATGCCCATGACCCCACTGAAGATGATATAAACAACGACCTGGACA GGATCCTAAAAGATGCCCATGACCCCATGAGGAAAGATGGTACAAAAGCCTTCACTG GGTAAAACGTGCGGGTCTCCCATGGAATGGGCAATGTGCTATAAATTAATCTAAAGT GCCCTAATTGAACAACATTTGGGAATAACTCCAGTTGAACCCAGGCCCACTGGAGAT AAGNGGATTTTGGGTTTAAAAATTTAGGGGTAATCTTAC </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_018144
Insert Size:	2050 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_018144.2](#), [NP_060614.2](#)

RefSeq Size: 1892 bp

RefSeq ORF: 1431 bp

Locus ID: 55176

UniProt ID: [Q9H9S3](#)

Cytogenetics: 10p14

Domains: secY

Protein Families: Transmembrane

Protein Pathways: Vibrio cholerae infection

Gene Summary: The protein encoded by this gene has similarity to a mouse protein which suggests a role in the insertion of secretory and membrane polypeptides into the endoplasmic reticulum. It may also be required for the assembly of membrane and secretory proteins. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2008]
Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (a).