

Product datasheet for **SC325923**

SEC61A2 (NM_001142627) Human Untagged Clone

Product data:

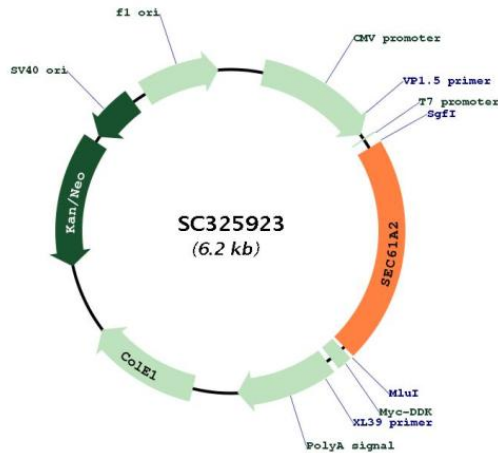
Product Type:	Expression Plasmids
Product Name:	SEC61A2 (NM_001142627) Human Untagged Clone
Tag:	Tag Free
Symbol:	SEC61A2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC325923 representing NM_001142627. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGGCATCAAATTTTGAAGTTATCAAACATTCTGTGCGAGTTCTACCAGAAATTCAGAAACCGGAA
AGGAAAATCCAGTTTAGAGAGAAGGTTCTGTGGACTGCTATAACGCTCTTCATTTTCTAGTGTGTTGT
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GTGCTGCTGTTAGATGAGCTGCTACAGAAGGGTACGGCTTGGGGTCTGGGATTTCCCTCTTTATTGCC
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AGCAGTACCCCATCAAACCTCTTACACCTCCAACATCCCATCATCCTCCAGTCGGCCCTGGTGTCC
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TAA
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TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: Sgfl-Mlul



Plasmid Map:



ACCN: NM_001142627

Insert Size: 1314 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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_001142627.2](#)

RefSeq Size: 2112 bp

RefSeq ORF: 1314 bp

Locus ID: 55176

UniProt ID: [Q9H9S3](#)

Cytogenetics: 10p14

Protein Families: Transmembrane

Protein Pathways: Vibrio cholerae infection

MW: 48.8 kDa

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 (3) uses an alternate exon in the 3' coding region, compared to variant 1. This results in a shorter protein (isoform c) with a distinct C-terminus, compared to isoform a.