

Product datasheet for **RC227681**

SEC61A2 (NM_001142628) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SEC61A2 (NM_001142628) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SEC61A2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC227681 representing NM_001142628
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGCATCAAATTTTTAGAAGTTATCAAACCATTCTGTGCAGTTCTACCAGAAATTCAGAAACCGGAAA
 GGAAAATCCCACTGTTTGAATCATGTCATCAGATTCTGCAGATCCTTTCTACTGGATGAGAGTTATTCT
 GGCTTCCAATAGAGGAACTTTAATGGAATTGGGTATCTCCCAATTGTAACATCTGGTTTGATTATGCAG
 TTGTTAGCTGGAGCCAAAATCATTGAAGTTGGAGATACACCGAAAGATAGAGCTTTATTCAATGGAGCCC
 AGAAAAGTGTGGTATGATCATTACCATTGGGCAAGCCATTGTGTATGTCATGACGGGGATGATGGGGA
 CCCTGCAGAAATGGTGCCGGAATCTGTCTCCTGATCATCATTAGTTGTTTGTGCTGGTTTGATTGTG
 CTGCTGTTAGATGAGCTGCTACAGAAGGGTTACGGCTTGGGGTCTGGGATTTCCCTCTTTATTGCCACCA
 ACATCTGTGAGACCATTGTCTGGAAGGCCCTTAGTCCCCTACCATTAACTGGCAGAGGACTGAGTT
 TGAGGGTGCAGTCATAGCTCTGTTCCATTTGTTGGCCACCAGGACGGACAAAGTCCGAGCTTACGGGAG
 GCTTTTTATCGGCAGAACTACCAATCTCATGAACCTCATTGCTACAGTTTTGTGTTGCTGTTGTTA
 TATATTTCCAAGGATTTTCGGCTTGATCTGCCCATTAAGTCGGCCCGTTACCGAGGACAGTACAGCAGCTA
 CCCCATCAAACCTTTCTACACCTCCAACATCCCATCATCCTCCAGTCGGCCCTGGTGTCCAACCTGTAT
 GTTATTTCCAGATGCTGTCTGTTTCGATTTAGTGGCAACTTTTTAGTAAATTTACTAGGACAGTGGGCCG
 ATGTCAGTGGGGGAGGCCCGCACGTTCTTACCAGTTGGAGGCCCTTGTACTATCTTTCTCCTCTGA
 GTCCATGGGCGCCATCTTTGAGGATCCTGTCCATGTCGTTGTTTATATCATCTTCATGTTGGGGTCAATG
 GCATTTCTCTAAGACATGGATTGAAGTGTCTGGTTCCTCAGCCAAAGATGTAGCTAAACAGCTGAAAG
 AACAGCAGATGGTAATGAGGGGCCACCGAGATACCTCTATGGTTCATGAGCTTAATAGGTACATCCCCAC
 CGCAGCTGCGTTTTGGCGTTTTGTGCATTGGCGCCCTGTCAGTGTGCTGGCTGACTTCCCTGGGGCCATTGGA
 TCTGGCACTGGAATTCGCTAGCAGTCACTATTATTTACCAGTATTTGAAATATTTGTTAAAGAACAGG
 CCGAAGTTGTTGGGATGGGTGCTTTGTTTTTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC227681 representing NM_001142628
 Red=Cloning site Green=Tags(s)

MGIKFLEVIKPFCAVLPEIQKPERKIPLFGIMSSDSADPFYWMRVLASNRGTLMELGISPIVTSGLIMQ
 LLAGAKIIEVGDTPKDRALFNGAQKLFMIITIGQAIYVYVMTGMYGDP AEMGAGICLLIIQLFVAGLIV
 LLLDELLQKGYGLGSGISLFIATNICETIVWKAFSPTTINTGRGTEFEGAVIALFHLLATRTDKVRALRE
 AFYRQNLPNLMNL IATVFVFAVVIYFQGFVRDLP IKSARYRGQYSSYPIKLFYTSNIPIILQSALVSNLY
 VISQMLSVRFSGNFLVNLLGQWADVSGGGPARSYVGGLCYYLSPPE SMGAIFEDPVHVVVYIIFMLGSC
 AFFSKTWIEVSGSSAKDVAKQLKEQQMVMRGRDTSMVHELNRYP TAAAFGGLCIGALSVLADFLGAIG
 SGTGILLAVTIIYQYFEIFVKEQAEVGGMGALFF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8061_a12.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001142628

ORF Size: 1362 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001142628.1](#), [NP_001136100.1](#)

RefSeq ORF: 1365 bp

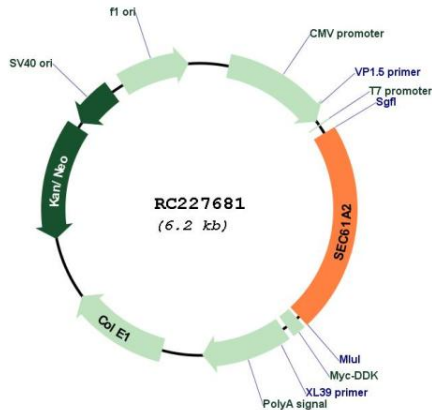
Locus ID: 55176

UniProt ID: [Q9H9S3](#)

Cytogenetics: 10p14

Protein Families:	Transmembrane
Protein Pathways:	Vibrio cholerae infection
MW:	49.4 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]

Product images:



Circular map for RC227681