

Product datasheet for **MR207633**

Sec61a2 (NM_021305) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | Sec61a2 (NM_021305) Mouse Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Sec61a2 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



[View online »](#)

ORF Nucleotide Sequence:

>MR207633 representing NM_021305
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGGCATCAAGTTTTTAGAAGTTATTAACCTTTCTGTGCAGTTCTACCAGAAATTCAGAAGCCTGAAA
 GGAAAATTCAGTTTAGAGAGAAGGTACTATGGACTGCTATAACACTCTTCATTTTCTTAGTATGCTGTCA
 GATTCCGCTGTTTGGGATCATGTCATCGGACTCTGCAGATCCCTTCTACTGGATGAGAGTTATTCTTGCA
 TCCAACAGAGGAACATTGATGGAATTGGGTATTTCCCAATTGTAACGTCTGGTTTGATTATGCAGTTGT
 TAGCTGGAGCCAAAATCATTGAAGTTGGAGACACCCAAAGATAGAGCTCTGTTCAATGGAGCCCAGAA
 ATTATTTGGTATGATCATTACCATTGGCAAGCCATTGTGTATGTCATGACGGGGATGTACGGGGACCT
 GCGGAAATGGGTGCTGGGATCTGTCTCCTTATCATTATTCAGTTGTTTGTGCTGGTTTGATTGTGCTGC
 TGTTAGATGAGCTGCTACAGAAGGGTTACGGCTTGGGGTCTGGGATTTCCCTCTTATTGCCACCAACAT
 CTGTGAAACCATTGTCTGGAAGGCCTTGTAGTCCACTACCATTAACACTGGCAGAGGTACGGAGTTTGAA
 GGTGCAGTCATAGCTCTGTTTCATTTGCTGGCCACCAGGACAGACAAGGTGCGAGCCTTGAGGGAGGCTT
 TCTATAGGCAGAACCTCCCAACCTCATGAACCTCATCGCCACAGTGTTTCGTGTTTGTGCTGTCATCTA
 TTTTCAGGGGTTTCGTGTTGACTTGCCCATTAAGTCGGACGGTATCGTGGACAGTACAGTAGCTATCCT
 ATCAAGCTCTTCTACACGTCGAATATCCATAATCCTCCAGTCTGCCCTAGTTTCAAACCTGTACGTC
 TTTCCAGATGCTGTCTGTTTCGATTTAGTGGCAACTTCTTAGTAACTTACTAGGACAGTGGGCCGATGT
 CAGTGGGGGAGGGCTGCTCGCTCCTACCCTGTTGGCGCCTTTGTTACTATCTGTCTCCTCCTGAGTCT
 ATGGGACCCATATTTGAGGATCCTGTTTCATGTAGTTGTATATATCTTCATGTTGGGGTATGTGCAT
 TCTTTTCTAAGACGTGGATAGAAGTTTCTGGTTCTTCAGCCAAAGATGTGGCCAAGCAACTAAAGAACA
 GCAGATGGTGATGAGGGGTACAGAGATACCTCCATGGTCCATGAGCTGAACAGGTACATCCCCACAGCA
 GCTGCCTTTGGGGTCTGTGCATCGGTGCCCTGTCACTAGCAGACTTCTTGGGGCCATTGGCTCTG
 GACTGGAATTCTGCTTGCAGTCACTATTATTTATCAGTATTTTGAATATTTGTTAAGGAACAGGCTGA
 AGTTGGTGAATGGGTGCTTTGTTTTTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207633 representing NM_021305
 Red=Cloning site Green=Tags(s)

MGIKFLEVIKPFCAVLPEIQKPERKIQFREKVLWTAITLFIPLVCCQIPLFGIMSSDSADPFYWMRVILA
 SNRGLMELGISPIVTSGLIMQLLAGAKIIEVGDTPKDRALFNGAQKLFGMIITIGQAIIVYVMTGMYGDP
 AEMGAGICLLIIQLFVAGLIVLLLDELLQKGYGLSGISLFIATNICETIIVWKAFSPTTINTGRGTEFE
 GAVIALFHLLATRTDKVRALREAFYRQNLPNLMNLIATVVFVAVVIYFQGFVVDLPKISARYRGQYSSYP
 IKLFYTSNIPIILQSALVSNLYVISQMLSVRFSGNFLVNLLGQWADVSGGGPARSYVVGGLCYLSPPE
 MGAIFEDPVHVYIIFMLGSAFFSKTWIEVSGSSAKDVAKQLKEQQMVMRGRDTSMVHELNRYIPTA
 AAFGGLCIGALSVLADFLGAIKSGTGILLAVTIIYQYFEIFVKEQAEVGGMGALFF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9026_h01.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



ACCN: NM_021305

ORF Size: 1428 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_021305.4](#)

RefSeq Size: 2369 bp

RefSeq ORF: 1431 bp

Locus ID: 57743

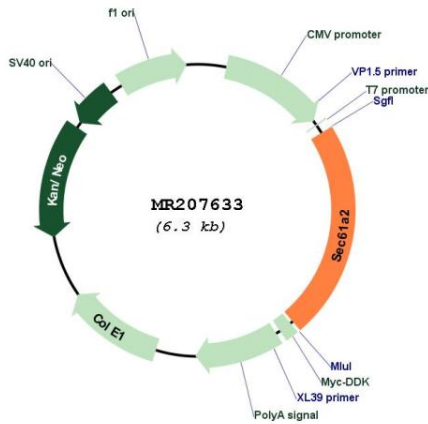
UniProt ID: [Q9JLR1](#)

Cytogenetics: 2 A1

MW: 52.7 kDa

Gene Summary: Appears to play a crucial role in the insertion of secretory and membrane polypeptides into the ER. It is required for assembly of membrane and secretory proteins. Found to be tightly associated with membrane-bound ribosomes, either directly or through adaptor proteins (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR207633