

Product datasheet for **RN205041**

Sec61a1 (NM_199256) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sec61a1 (NM_199256) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Sec61a1
Synonyms:	Sec61a
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN205041 representing NM_199256
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGATCAAATTTCTGGAAGTCATCAAGCCATTCTGTGCATCTTGCCGAAATTCAGAAGCCAGAGA
 GAAAGATTCAGTTTAAGGAGAAGGTGTTGTGGACGGCCATCACCCCTTCATCTTCTTAGTATGCTGCCA
 GATTCCCCTGTTTGGCATTATGCTTTCAGACTCAGCTGACCCCTTCTACTGGATGCGAGTGATTCTGGCC
 TCTAACAGAGGTACCTTGATGGAGCTGGGTATCTCTCTATTGTACGTCGCGCCTTATCATGCAGCTCT
 TAGCTGGTGCCAAGATAATTGAAGTTGGGGACACCCCGAAAGACCGAGCTCTTCAATGGAGCCCAAAA
 GTTGTGGGAATGATCATCACTATCGGTGAGTCCATTGTGTACGTGATGACGGGCATGTACGGGGACCT
 TCAGAGATGGGTGCTGGAATCTGCCTGCTGATCACCATTAGCTCTTGTGTGCTGGCTTAATTGCCTAC
 TTTTGGATGAACTCCTGCAGAAAGGATATGGCTTGGGCTCTGGCATCTCTCTTTCATTGCGACTAATAT
 CTGTGAGACCATTGTATGGAAGGCATTCAGCCCCACCCTGTCAACACTGGCCGAGGGATGGAATTTGAA
 GCGCCATCATTGCGCTGTTCCACCTGCTGGCCACCCGCACAGACAAGGTCGAGCCCTTCGAGAGGCAT
 TCTACCGCCAGAACCTCCCTAACCTCATGAACCTGATTGCCACCATCTTCGTCCTTTGCTGTTGTCATCTA
 TTTCCAGGGCTTCCGAGTGGACCTTCCAATCAAGTCGGCGGTTACCGAGGCCAGTACAATACCTACCCC
 ATCAAGCTCTTCTACACCTCCAACATCCCATCATCTTGACAGTCTGCTCTGGTGTCCAACCTGTATGTCA
 TCTCCAGATGCTGTGACGACGTTTCAGTGGCAACCTGCTGGTTAGCCTGCTGGGCACCTGGTCGGATAC
 GTCATCTGGGGGCCAGCCCGTCTTACCCAGTTGGTGGCCTGTGTTACTACCTGTCTCCTCCGGAATCA
 TTCGGCTCAGTGTGGAGACCCTGTCATGCGGTGCTGTACATTGTATTCATGCTGGGTTCTCTGTGCAT
 TCTTTTCCAAAACATGGATCGAAGTTTCGGGTTCTTCTGCCAAAGATGTTGCCAAGCAGCTGAAGGAGCA
 GCAGATGGTGATGAGAGGCCACAGGGAGACCTCCATGGTGCATGAGCTCAACCGGTACATCCCCACAGCT
 GCAGCCTTCGGTGGGCTGTGCATTGGGGCCCTCTCTGTCCTGGCTGATTTCTGGGTGCTATCGGGTCTG
 GCACCGGGATCCTGCTGGCGGTACCATCATCTACCAGTACTTTGAGATCTTCGTCAAAGAGCAGAGCGA
 GGTGGGCAGCATGGGAGCCCTTCTTCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: NM_199256

Insert Size: 1431 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_199256.2](#), [NP_954865.1](#)
RefSeq Size: 3061 bp
RefSeq ORF: 1431 bp
Locus ID: 80843
UniProt ID: [P61621](#)
Cytogenetics: 4q34
Gene Summary: involved in protein translocation across the endoplasmic reticulum membrane [RGD, Feb 2006]