

Product datasheet for **RN216755**

Sec61a2 (NM_001170343) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sec61a2 (NM_001170343) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Sec61a2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN216755 representing NM_001170343
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGGCATCAAGTTTTTAGAAGTTATTAACCTTTCTGTGCAGTTCTACCAGAAATTCAGAAGCCTGAAA
 GGAAAATTCAGTTTAGAGAGAAGGTACTGTGGACTGCTATAACACTCTTCATTTTCTTAGTATGCTGTCA
 GATTCCACTGTTTGGGATCATGTCGTCGGACTCTGCGGATCCCTTCTACTGGATGAGAGTTATTCTTGCA
 TCCAACAGAGGAACATTGATGGAATTGGGTATTTCCCAATTGTAACATCTGGTTTGATTATGCAGTTGT
 TAGCTGGAGCCAAAATCATTGAAGTCGGAGATACACCCAAAGATAGAGCTCTGTTCAATGGAGCCCAGAA
 ACTATTTGGTATGATCATTACCATTGGGCAAGCCATTGTGTATGTCATGACGGGGATGTACGGGGACCT
 GCAGAAATGGGTGCTGGGATCTGCCTCCTATCATTATTCAGTTGTTTGTGCTGGTTTGATTGTGCTGC
 TGTTAGATGAGCTGCTACAGAAGGGTTACGGCTTGGGGTCTGGTATTTCCCTCTTTATTGCCACCAACAT
 CTGTGAAACCATTGTCTGGAAGGCCTTTAGTCCCCTACCATTAACTGGCAGAGGTACGGAGTTTGAA
 GGTGCAGTCATAGCTCTGTTTCATTTGTTGGCTACCCGGACAGACAAGGTCCGAGCCCTGAGGGAGGCCT
 TCTATCGGCAGAACCTCCCAACCTCATGAACCTCATCGCCACCGTCTTCGTGTTGCGGTGCTCATCTA
 TTTTCAGGGGTTTCGTGTTGACTTGCCCATTAAGTCGGCCCGGTATCGCGGACAGTACAGTAGCTATCCC
 ATCAAGCTCTTCTACACATCGAATATCCATAATCCTCCAGTCCGCCCTAGTTTCAAATTTGTACGTCA
 TTTCCAGATGCTGTCTGTTTCGATTTAGTGGCAACTTCTTAGTAACTTACTAGGACAGTGGGCCGATGT
 CAGCGGGGGAGGACCTGCTCGCTCCTACCCTGTTGGTGGCCTGTGTTACTATCTCTCTCCTCCTGAGTCC
 ATGGGAGCCATATTTGAGGATCCTGTTTCATGTAGTCGTGTATATTATCTTCATGTTGGGGTCGTGTGCAT
 TCTTTTCTAAGACGTGGATAGAAGTTTCTGGTTCCTCAGCCAAAGATGTGGCCAAGCAGCTTAAAGAGCA
 GCAGATGGTGATGAGGGGCCACAGAGACACTCCATGGTTCATGAGCTGAACAGGTACATCCCCACAGCA
 GCTGCCTTTGGGGTCTATGCATCGGTGCCCTGTGCGTACTAGCAGACTTCTGGGCGCCATTGGCTCGG
 GCACTGGAATTCTGCTTGCAGTCACTATTATTTATCAGTATTTTGAATATTTGTTAAGGAACAGGCTGA
 AGTTGGTGAATGGGTGCTTTGTTTTCT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001170343
- 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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_001170343.1](#), [NP_001163814.1](#)

RefSeq Size: 2041 bp

RefSeq ORF: 1431 bp

Locus ID: 361273

Cytogenetics: 17q12.3