

Product datasheet for MC223517

Sec24a (NM_175255) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sec24a (NM_175255) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Sec24a
Synonyms:	9430090N21Rik; AI504915
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC223517 representing NM_175255 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGCCAGCCCCGGATCCCCGCTGCCCGCGGTGCCGAGCTAGCCTCCAGGCCAGAACGGAGCCGCT
 CAGCCTCGGGTCTCCCTACACCAACGGTCTGTCCACAATACTGATGTCTCCACAAGTGTATCGAG
 TCAAGGCTATGATTGCAACCTCCAGGATCCTACCCTCGTCAATGCCAGCAAAGACTTTGAATCCATT
 TCTGCACAGTCAACTACGGTGGTCTCAGGGATCTGGGAGACTCTTAATAGTCCACTTGTGACTTCG
 GTCCAGTACTACCTTCACTTCATAGTGGTCTGTCCCGAATGCCACTACCTACTTCTCAGAACCCAGC
 TGCTACACCAATGCCTTCTGGTAGCTTTCTTCTGGAGCCAACCCACCCACCTTTGAATTGGCAATAT
 AACTATCCATCCACAGGACCGCAGACTAACCATTTTCTCATGTAGCTCCACCAACTCTACCTGGGAATC
 CAAATTTAACAGCGGATCATCAATATGTTTCTTCTGGAGACCCTGCACTTCAAACAGCTTCAAAAAGCC
 AGGTTCTGCACTTCCCTTACAGAACCCACCTCTGCCCCCACTTTTCAGCCAGGAGCTCCTCCTGGGCCC
 CCTCCAGCTGGAGGCCACCTCCCAGCCGGGGCCCCGCGCCCAAGAAACACCTCCTCGGGCTGCACCCC
 CACCTTCATTTAACTCAGCTGTCAATCAGGAAGGTATTACGTCAAATGCCAATAATGGATCTACGGCGGC
 TCATAAATACTTATGATGAGATTGAAGGAGGTGGCTTCTTGGAACACCACAGCTTGTTAATCAGAACCCC
 AAAACAAGCCGAAGTGTGGGCTCTGCATACCCCTCCCTGCCACAGGCTACCAGAACAGCGCACCACCTG
 TGGCTGGGATGCCACCACCTCCCTCAGTTACCCAAGTGGCCCCAGGCCTTTACTCAGACTCCCTTAGG
 TGCTAATCATTTAACTGCAAGCATGAGTGGATTAACTCTGCATCCAGAGGACTAAGAGTTGTCAATCTT
 CTTCAAGAAAGGAACATGCTTCTTCCACACCACTGCAGCCTCCAGTCCCAATCTGCTTGAAGACATCC
 AGAAACTCAACTGTAACCCAGAGTTGTTCCGATGCACGCTGACGAGTGTCCCTCAGACTCAGGCCTTACT
 GAATAAGCCAAGCTTCTCTGGGGCTGCTGCTCCACCCCTTCAAGGACCTAGTGCAGTTGCCCGTGGTC
 ACCTCCAGCACAATTGTGAGATGCCGTTATGCAGGACTTACATTAACCCCTTCGTAACCTTCTTGATC
 AAAGAAGGTGGAATGTAACCTATGTTATCGAGTCAATGATGTTCTGAAGAATTCATGTACAACCCCTT
 AACCAGAGTTTATGGAGAACCTCACAAAAGACCTGAAGTCCAGAATGCTACTATTGAGTTTATGGCTCCT


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TCAGAATACATGTTACGACCACCACAACCTCCAGTGACCTCTTTGATTTGATGTATCTCACAACGCAA
TAGAAACTGGATACTTGAATTCAGTTTGCCAGAGTTTGTAGACAATCTGGATCTGCTTCTGGCAACAC
TAGGACAAAAATCGGTTTCATAACATTTGATAGCACTATCCATTTCTACAGTCTTCAGGAAGGTCTCTCC
CAGCCTCAGATGCTAATAGTTTCAGATATTGACGATGTTTTATCCCTATGCCAGAGAATTACTAGTAA
ACTTAAATGAAAGTAAAGAGCTTGTTCAGATTTACTGAAAACGCTGCCACAAATGTTTACGAAGACGCT
GGAGACCCAGAGTGCCTTGGGTCTGCACTTCAGGCTGCATTCAAGCTGATATCACCAACTGGTGGTCGA
ATGTCTGTCTTCCAAACACAACCTCCCAACGCTTGGGTAGGAGCTCTGAAACCACGAGAGGAACCAACC
AAAGGTCATCTGCTAAGGAAATACATCTGACACCATCCACTGACTTCTATAAGAAATTAGCCTTGACTG
TTCTGGGCAGCAAGCAGCTGTTGACTTATTCTCTCAGTGGACAGTATTCTGATTTGGCTTCCCTAGGC
TGCATCTCTCGGTACTCAGCGGGTAGTGTGATTACTATCCCTCGTACCATCACCAGCACAACCCAGTGC
AAGTACAGAACTACAGAAGGAACCTACACAGGTACCTCACTCGGAAGATTGGATTTGAGGCAGTCATGAG
GATCCGGTGCACCAAGGTCTTCCATTACATTTCCATGGGAATTCTTCGTCGGTCTACAGACTTA
CTGTCTCTTCCCAATGTCAACCCAGATGCTGGGTATGCGGTCCAGATGTCAGTAGAAGAGAGTCTCACTG
ACACTCAGCTGGTTTCTTCCAGTCAGCACTCTTATATACATCAAGCAAAGGTGAAAGAAGAATCCGTGT
GCATCTTTGTGTTTCCCGGTAGTTTCTACCCTGAATGAAGTCTTCTTGAGCTGATGTGCAAGCAATT
TCAGGGTTATTAGCCAATATGGCTGTTGACAGGTCGGTGAAGTGCAGCCTGAGTGATGCCCGGGATGCTC
TGGTGAACGCTGTCATCGACTCTCTCAGCTTACCGCTCTTCAGTCTGAGTGGTCAGCAGCCAGGCTC
CATGGTTCCTTTCTCTTGGGCTTTTCCCACTTTTGTGTTGGCTCTCTAAACAGAAATCTTTCCAG
ACTGGGACAAGTATACGTCTAGATGAACGAATTTTGGCATGTGTCAAGTGAAAGCCAGCCATTGGTTC
ACCTCATGCTCACAACACATCCAGTTTGTACAGAGTTGACAACCTCTCAGATGAGGGAGCTCTCAACAT
CAATGACAGAACCATACTCAGCCCCCATTCTCAGCTCTCGGTGGAGAAGTTGAGCAGAGATGGAGCG
TTCCTCATGGATGCAGGCTCATTACTGATGCTTTGGGTGGAAGAAATTTTCACAGAATTTCTCAGCC
AAGTTCTGGGAGTTCAAAATATGCATCAATCCACAGACAATGACAGATCTTCCAGAATTGATACACC
AGAATCTGCCAGAATAGCAGGTTTCATCTCATGGCTCAGAGAACAGAGGCCATTTTCCAGTACTCTAT
GTAATCAGGGAGGAGAGTCTTATGAAAGCAGCCTTCTTCAGAGCTTGGTGAAGACAGAACAGAGTCTG
CACTGTCAATTATGAATTCCTCTGCACATACAGCAGCAAGTGAACAAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_175255
Insert Size:	3273 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.

Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_175255.3 , NP_780464.2
RefSeq Size:	6798 bp
RefSeq ORF:	3273 bp
Locus ID:	77371
UniProt ID:	Q3U2P1
Cytogenetics:	11 B1.3
Gene Summary:	Component of the coat protein complex II (COPII) which promotes the formation of transport vesicles from the endoplasmic reticulum (ER). The coat has two main functions, the physical deformation of the endoplasmic reticulum membrane into vesicles and the selection of cargo molecules for their transport to the Golgi complex. Plays a central role in cargo selection within the COPII complex and together with SEC24B may have a different specificity compared to SEC24C and SEC24D. May package preferentially cargos with cytoplasmic DxE or LxxLE motifs and may also recognize conformational epitopes.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.