

Product datasheet for **MC207636**

Sec14I2 (NM_144520) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Sec14I2 (NM_144520) Mouse Untagged Clone
Tag: Tag Free
Symbol: Sec14I2
Synonyms: 1300013M05Rik; Spf; TAP
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC207636 representing NM_144520
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGCGGCAGAGTCGGTGACCTGAGCCCCAACAGGAGGAGGCACTGGCCAAGTTCGAGAAAAATGTTT
 AGGACGTGCTGCCACCCTGCCAATCCAGATGACTACTTCTCCTTCGATGGCTCCGAGCCGAAGCTT
 TGACCTGCAGAAGTCAGAGGCCATGCTCCGAAAGCATGTGGAATTCGGAAGCAAAGGACATTGACAAA
 ATCATCAGCTGGCAGCCACCAGAGGTGATCCAACAGTATCTGTCCAGGCGGAGATGTGGCTACGACTTGG
 ACGGCTGCCCTGTCTGGTACGACATCATCGGCCCTCTGGATGCCAAAGGTCTGCTGTTCTCCGCCTCCAA
 GCAGGACCTGCTCAGGACCAAGATGAGAGACTGTGAGCTGCTTCTGCAGGAGTGTATCCAGCAGACCACA
 AAGCTAGGGAAGAAGATAGAGACCATCACCATGATTTATGACTGTGAAGGACTCGGCCTCAAGCACCTCT
 GGAAACCTGCAGTGGAGGCTATGGAGAGTTCCTCACCATGTTTGAAGAAAATTATCCTGAAACACTGAA
 GCGTCTGTTTGTGTTAAAGCTCCCAAGCTGTTTCTGTGGCCTATAACCTCATCAAGCCCTTCTAAGT
 GAAGACACTCGGAGGAAGATCATGGTCTGGGGGCAAACCTGGAAGGAGTTTTACTCAAACATATCAGCC
 CTGACCAGCTGCCTGTGGAATACGGAGGCACCATGACAGATCCTGACGGAAATCCCAAGTGTAATCTAA
 GATCAACTATGGGGCGACATTCCTCAAGCAGTACTACGTGCGAGACCAGGTGAAGCAGCAGTATGAACAC
 ACCGTGCAGGTCTCCCGAGGCTCTCCCAAGTGGAGTATGAGATTCTTTTCCCGGGCTGTGCTCTCA
 GGTGGCAGTTTATGTCGGAGGGATCAGCGTGGGTTTTGGGATTTTCTGAAGACCAAGATGGGGGAACG
 GCAGCGGGCAGGGGAGATGACGGAGGTGCTGCCAAACCAGAGATAACAATCCCACATGGTGCCTGAGGAT
 GGAACCTCACCTGCAGTGAAGCAGGCATCTATGTTCTGCGGTTCCGACAACCTACAGTTCATCCATG
 CCAAGAAAGTCAGTTTACCCTGGAGGTCTGCTTCCAGACAAAGCAGCCGAAGAGAAGATGAACCAGCA
 GGGGCAGACACCCCAA**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_144520
Insert Size:	1212 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:	<ol style="list-style-type: none">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:	<u>NM_144520.2</u> , <u>NP_653103.1</u>
RefSeq Size:	2529 bp
RefSeq ORF:	1212 bp
Locus ID:	67815
UniProt ID:	<u>Q99J08</u>
Cytogenetics:	11 A1
Gene Summary:	Carrier protein. Binds to some hydrophobic molecules and promotes their transfer between the different cellular sites. Binds with high affinity to alpha-tocopherol. Also binds with a weaker affinity to other tocopherols and to tocotrienols. May have a transcriptional activatory activity via its association with alpha-tocopherol. Probably recognizes and binds some squalene structure, suggesting that it may regulate cholesterol biosynthesis by increasing the transfer of squalene to a metabolic active pool in the cell (By similarity).[UniProtKB/Swiss-Prot Function]