

Product datasheet for **MC200300**

Sec14I1 (BC005766) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sec14I1 (BC005766) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Sec14I1
Synonyms:	1200017E04Rik; 2810012L19Rik; Naa-35
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC005766
 CCCACGCGTCCGCGGACGCGTGGGGGCGGTGAGCGGGCGGACGCCGAGCCTGTGGCACGGCTCTCTCTTC
 GGGGAGCCGCGGCATGAACGCATCCCGCCACCGCGCGCGTCCCGACCCGGTCTTCTGACAAGAGGA
 GTAAGAAGACTGCTATTGAATTACAACCATGGTGCAAAAATACCAGTCCCGAGTGCGGGTGTATAAACAT
 CCCTTTGAGTTAATTATGGCTGCCTATGAGAGGAGGTTTCTACATGCCTCTGATTCCAATGTTCTGG
 ACAGTGACACTGTGAGCGAGTTCAAGAGTGAGGATGGGGCTTTCATGTCATCGAGAGGCGCTGCAAGCT
 GGATATAGATGCGCCAGCTGTTGAAGAAGATCGCAGGAGTTCGATTACGTTTATTTTGTCCAGAAAAAC
 TCCTGAATTCTCGAGATCGCACTTTGCACATCGAGGCCACAATGAGACATTTTCTAACCGGGTCATCA
 TCCACGAACACTGCTGTTACACGGTTCACCCTGAGAATGAAGACTGGACCTGTTTGAACAGTCTGCAAG
 TTTAGATATCAAATCCTTCTTTGGTTTTGAAAGTACAGTGAAAAAATTGCCATGAAACATTATACAAGC
 AACATTAAGGGAAGGAGATCATTGAATACTACCTACGGCAGCTGGAGGAGGAAGGCATCACCTTCG
 TGCCCCGTGGACCCACCCCGTGGGACCTCAGAAACATGTTTCATCAAGCAAGAATCAAGTACATC
 TGCAGCTGCTTGTCCAGATGCTGCTGCCGTATGGAGGGCTGAGTGGGAAAACTCAGTAGTCCA
 GGAACAGCGTCTGAGCCGTGGTGGAAACCCCTGACGATAAATTAGATGCCGACTACATCAAGAGATACT
 TGGGTGACCTGACTCCCCTCCAAGAGAGCTGCCTATTGACTGCGCCAGTGGCTCCAGGAGACACAAA
 GGCAAGATCCCAAAGGACGAGCATATCCTTCGGTTCCTGCGTGCCCGGATTTTAAATTGACAAGGCC
 AGAGAGATCATGTGCCAGTCTTAACCTGGCGGAAGCAGCACCAGGTGGATTACATCCTGGACACTTGG
 CTCCGCCCCAGGTCTTCTGGACTACTACGCTGGGGGCTGGCATCACCATGACAAAGATGGACGGCCGT
 GTATGTGCTTAGGCTGGGCCAGATGGACACCAAAGGCTTGGTGCAGCTCTCGGAGAGGAGGCCCTACTG
 CGATACGTTCTTTCCATAAACGAAGAAGGCTGAGACGATGCGAGGAAAAACCAAGGTCTTCGGCCGGC
 CAATCAGCTCGTGGACCTGCTTGGTGGACCTTGAAGGACTGAACATGCGCCATCTATGGAGACCAGGGT
 CAAAGCCTTGCTGCGCATCATCGAGTGGTGGAGGCCAACTACCCGAGAGCGTGGGCCGCTCCTCATC
 CTCCGAGCCCCAGGGTCTTCCCTGTCCCTGGACGCTGGTTAGTCCATTTATTGATGACAAACCCAGAA
 GGAAGTTCTCATTTATGCAGGAAATGACTACCAGGGCCAGGAGCCTGCTGGATTACATCGATAAAGA
 GATTATCCCGATTTCTGAGTGGGGAGTGCATGTGTGACGTGCCAGAGGGTGGATTGGTCCCCAAATCC
 CTGTACAGGACTGCAGAGGAGCTGGAAAATGAAGACCTGAAGCTCTGGACGGAGACCATCTACCAGTCTG
 CCAGCGTGTCAAAGGAGCTCCACATGAGATTCTCATTAGATTGTGGACGCTCCTCAGTGATCACCTG
 GGATTTTGTGTGCAAGGGGACATCGTCTTTAACATTTATCACTCCAAGAGGTCTCCCAGCCACCC
 AAGAAGGACTCGTAGGGGCTCACAGCATCACTCCCCAGGAGGCAACAACGTGCAGCTGATAGACAAAG
 TCTGGCAGCTGGCCGGGACTATAGCATGGTGGAGTCTCCTAATCTGCAAAGAAGGAGAGCGTGCA
 GGGTCCCATGTGACCAGGTGGCCAGGCTTCTACATCCTACAGTGAAATTCACACCATGCCAGCATGT
 GCTGCCACCAACCTACCCGAGTGGACGAGTGTGGCCTCCCTCGAGGTCTCCTCCACAAAGTGCAAA
 TCATGTACTACACAGAAGTGATCGGCTCTGAAGATTTAGAGGCTCCATGACCAGCCTGGATCTAGCCA
 CAGCGGTTCTCACAGCTCAGTCCGCCACCACCTCCTCCAGCCAGTCCGAATCCAGCTCCATGATTTCC
 AGTGAATGACTTGTGTGACACCTGCAGAGACTCGCCACCTCCTCCTCCAGGAACCGAAGCTGCAGCAG
 GCAGCCCTTAAGCTGCAGCGGAGTCTCTCGGCTCCCTGTTAGTGGAGGTGGCCTGTGGATCCAGAACAG
 CTCTTGAGGTCCCTTTCCGCTAAGGACTTGGCAGCCTGAGGAGCACCAGTGTGGGTGAGGCCAGCCT
 GATCCCGAGCAGACTGCAGCCAGGAGGGGCTGCCAGGGCTCCTCGTGAATCCTGACAAACCCGCCAT
 CATTAACATTGCTTTCTTTCAAAAAAAAAAAAAAAAA

- Restriction Sites:** RsrII-NotI
- ACCN:** BC005766
- Insert Size:** 2151 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: [BC005766](#), [AAH05766](#)

RefSeq Size: 2628 bp

RefSeq ORF: 2151 bp

Locus ID: 74136

Cytogenetics: 11 E2

Gene Summary: May play a role in innate immunity by inhibiting the antiviral RIG-I signaling pathway. In this pathway, functions as a negative regulator of DDX58/RIG-I, the cytoplasmic sensor of viral nucleic acids. Prevents the interaction of DDX58 with MAVS/IPS1, an important step in signal propagation. May also regulate the SLC18A3 and SLC5A7 cholinergic transporters. [UniProtKB/Swiss-Prot Function]