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Product datasheet for MR215313

Sec14l1 (NM_001166506) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sec14l1 (NM_001166506) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Sec14l1
Synonyms:	1200017E04Rik; 2810012L19Rik; Naa-35
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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ORF Nucleotide Sequence:

>MR215313 representing NM_001166506
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGTGCAAAAATACCAGTCCCCAGTGCGGGTGTATAAACATCCCTTTGAGTTAATTATGGCTGCCTATG
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GCCGTCATGGAGGGGCTGAGTGGGGAAAACCTCAGTAGCCCAGGAACAGCGTCTGAGCCCGTGGTGGGAA
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TGAAGATTTCAGAGGCTCCATGACCAGCCTGGAATCTAGCCACAGCGGGTTCTCACAGCTCAGTGCCGCC
ACCACCTCCTCCAGCCAGTCGCAATCCAGCTCCATGATTTCCAGG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR215313 representing NM_001166506
Red=Cloning site Green=Tags(s)

MVQKYQSPVRVYKHPFELIMAAYERRFPTCPLIPMFVDSDTVSEFKSEDGALHVIERRCKLDIDAPRLLK
KIAGVDYVYFVQKNSLNSRDRTLHIEAHNETFSNRVIIHEHCCYTVHPENEDWTCFEQSASLDIKSFFGF
ESTVEKIAMKHYTSNIKKGKEIIEYYLRQLEEEGITFVPRWTPPPVGPSETCSSSKNQVTSAAVLVPDAA
AVMEGLSGENLSSPGTASEPVVGTPDDKLDADYIKRYLGDLTPLQESCLIRLRQWLQETHKGKIPKDEHI
LRFLRARDFNIDKAREIMCQSLTWRKQHQVDYILDTWTPPQVLLDYYAGGWHHHDKDGRPLYVLRLGQMD
TKGLVRALGEEALLRYVLSINEEGLRRCEENTKVFGRPISSWTCLVDLEGLNMRHLWRPGVKALLRIIEV
VEANYPETLGRLLILRAPRVFPVLWTLVSPFIDDNTRRKFLIYAGNDYQGPGGLLDYIDKEIIPDFLSGE
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VFNIYHSKRSPQPPKKDSLGAHSITSPGGNNVQLIDKVWQLGRDYSMVESPLICKEGESVQGSHVTRWPG
FYILQWKFHTMPACAATNLPRVDDVLASLQVSSHKCKVMYYTEVIGSEDFRGSMTSLESSHSGFSQLSAA
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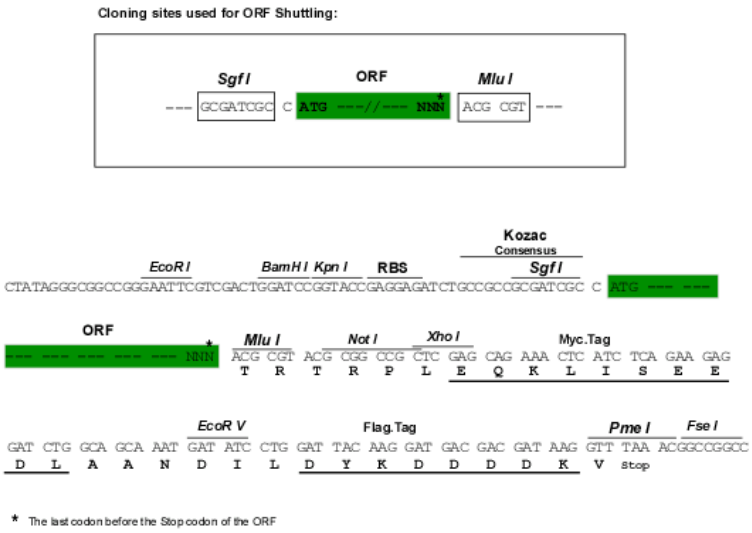
Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001166506

ORF Size: 2145 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001166506.2

RefSeq Size: 4736 bp

RefSeq ORF: 2148 bp

Locus ID: 74136

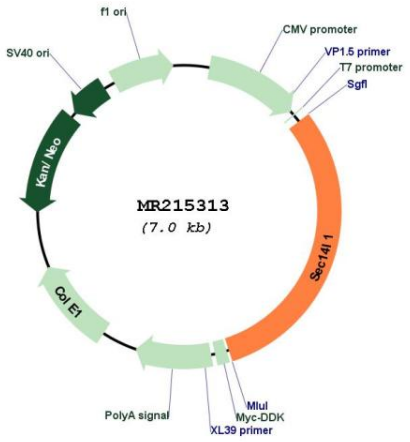
UniProt ID: A8Y5H7

Cytogenetics: 11 E2

MW: 81.7 kDa

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]

Product images:



Circular map for MR215313