

Product datasheet for **RR214588**

Sectm1a (NM_001013043) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sectm1a (NM_001013043) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Sectm1a
Synonyms:	Sectm1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR214588 representing NM_001013043 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCTGACCCGTCCTGTGGTGTCCACCATCCCTACTCTCAGGCTGTTGAGCATCCTCCTCATGGTTGTTT
 CCCTGAATGCTCAGAATAAAAGCTGGGACAGACCTATCTGCACGGAGAACATTGTGTCTGTGCCTAGAGG
 CAGGCCTGCAGTGATGAGCTGAACATCTCTAACACCTTCACCGATGTCACCATCCAGCTGACTGCCCAT
 GGAAGGACAGGACCATCTTCAAGAAAAAGCCCCAAGGAACTTCTCTTGGAGTGGTGGGAGCTCCATG
 TTCAAGGGGGGCAGGCACAGCTTGTCAAAAGACGCCAGGACGACCACAGAGGGATATACTTGTGGCA
 GCTGCATGGACGCCAGAGATATTACAGAAACATCACCTGAATGTTTCAGAGCCTTCAAATGAGGACAAG
 GTCACAGACACGAGGCTGTTACATCCCTCCCAGATCAAGTCAAGAGCTCCAGCTAGAGGCCAAGCCTG
 GGACCCTTATGGGAGTCATCATTGCTGTTTTGGCCTTGGGAGTCCCAGGAATCCTTGCACTTATCTGCTA
 CAGGCACTGCCGTTCCAGAAGCCCCATTGGGTAAGGAGGTTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RR214588 representing NM_001013043 Red=Cloning site Green=Tags(s)
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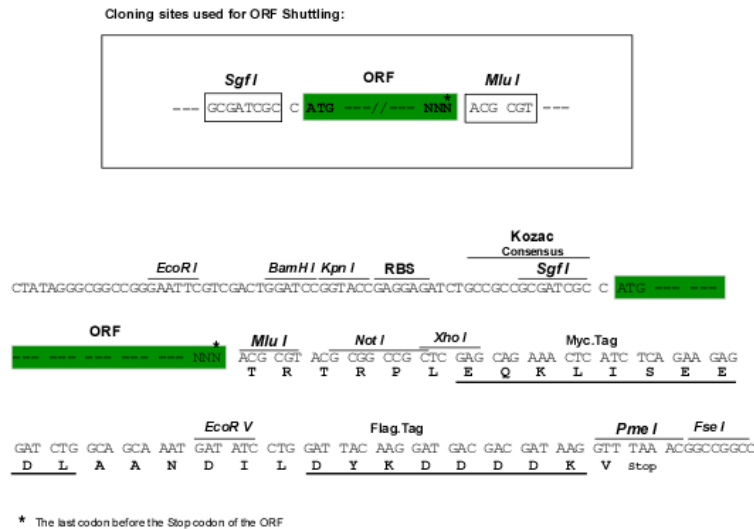
MLTRPVVSTIPTLRLFSILLMVVSLNAQNKSWDRPICTENIVSVPRGRPAVMSCNISNTFTDVTIQLTAH
 GKDRITFKKKPQGNFSWSGWELHVQGGQQLVIKDAQDDHRGIYLWQLHGRQRYRNYITLVSEPSNEDK
 VTDRFLTSLPDQVKSSQLEAKPGTLMGVIIAVALGVPGLALICYRHCRSQKPHWVRRF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV


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Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001013043

ORF Size: 603 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_001013043.1](#), [NP_001013061.1](#)

RefSeq Size: 1629 bp

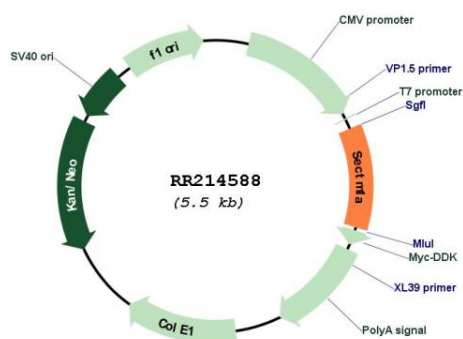
RefSeq ORF: 606 bp

Locus ID: 287885

Cytogenetics: 10q32.3

MW: 22.8 kDa

Product images:



Circular map for RR214588