

Product datasheet for **RR205428**

Scarb1 (NM_031541) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Scarb1 (NM_031541) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Scarb1
Synonyms:	Cd36l1; SR-B1; Srb1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR205428 representing NM_031541
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGGCGTCAGCTCCAGGGCAGCTGGGTGGCCTTGGGGCTGGGGCTTCTAGGGCTGCTGTGTGCTGCGC
 TCGGCGTTATCATGATTCTCATGGTGCCCTCGCTCATCAAGCAGCAGGTGCTCAAGAATGTCGCATAGA
 CCCCAGCAGCCTGTCTTTGGGATGTGGAAGGAGATCCCTGTTCCCTTCTACTTGTCCGTACTTCTTTC
 GAGGTGGTCAACCCAGCGAGGTCTAAATGGCCAGAAGCCAGTAGTCCGGGAGCGCGGACCCTATGTCT
 ACAGGGAGTTCAGACAAAAGTTAACATCACCTTCAATGACAATGACACGGTGTCTACATAGAGAACC
 AAGCCTTCGTTTCCAGCCAGACAGGTCCAGGGCTCAGAGAGTACTACATTGTACTGCCTAACATCCTG
 GTCCTGGGAGGGCAGTATGATGGAGGACAAGCCACAAGCCTGAAGCTGCTAATGACCTGGGGTTGG
 TCACCATGGGCCAGCGGCCCTTATGAACCGCACGGTTGGTGGATCCTGTGGGGCTACGAAGATCCCTT
 TGTGAATTTCTCAGCAAATATTTCCAGACATGTTCCCATCAAAGGCAAATTTGGCCTGTTCTGTTGGG
 ATGAACGACTCGATTCTGGCGTCTCACCGTCTTCCAGGTGTCCAGAAATTCAGCAAGATCCATCTGG
 TGGATAAGTGGAACGGCCTCAGCGAGGTCAACTATTGGCATTTCGGAACAGTGCAACATGATCAATGGTAC
 TGCCGGGCAGATGGGGACCATTATGACACCCGAATCCTCACTGGAATTTCTCAGCCCAGAAGCCTGC
 AGATCTATGAAGCTCACCTACCAGGAATCAAGGGTGTTCGAAGGCATCCCCACTTATCGCTTACGGCCC
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 CATTGAGAATGTCAGCACCTGCAGGTTTGGTGCGCCCTGTTTCTCTCCAGCCCCACTTCTACAATGCT
 GACCCCGTGTGTGAGAAGCTGTTCTTGGTCTGAACCTGACCCAAAGGAGCATTCTTGTCTCTAGACA
 TCCACCCGGTCACTGGGATCCCATGAACTGTTCCGTGAAGATGCAGTGAAGTCTGATCAAAATCCGT
 CAAGGGCGTCCGGCAAACAGGGAAGATCGAGCCAGTAGTCTGCAATGCTGTGGTTCGAACAGAGCGGG
 ATGATGGTGGCAAGACCTGAACACGTTCTACACGCAGCTGGTCTGATGCCCCAGTTCCTCACTACG
 CGCAGTATGTGCTGCTGGGGCTTGGAGGCTCCTGCTTCTGGTGCCTCATTTACCAACTGCGCAGCCA
 GGAGAAATGCTTTTTATTTGGAGTGGTAGTAAAAAGGGCTCGCAGGATAAGGAGGCCATGCAGGCCTAC
 TCTGAGTCTGTATGTACCAGCTGCCAAGGGCACGGTACTGCAAGAAGCCAAGCTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR205428 representing NM_031541
 Red=Cloning site Green=Tags(s)

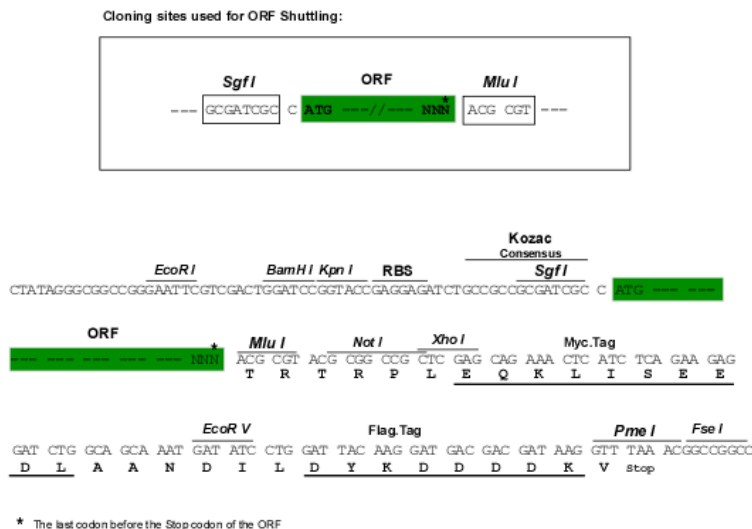
MGVSSRARWVALGLGVLGLLCAALGVIMILMVPSLIKQVQLKNVRIDPSSL SFGMWKEIPVFFYLSVYFF
 EVVNPSEVLNGQKPVVRERGPYVYREFRQKVNITFNDNDTVSYIENRSLRFQPD RSQGESDYIVLPNII
 VLGGA VM MEDKPTSLKLLMTLGLVTMGQRAF MNRTVGEILWGYEDPFVNF LSKYFPDMFP IKGKFLFVG
 MNDSSSGVFTVFTGVQNF SKIHLVDKWNGLSEVNYWHSEQCNMINGTAGQMWAPFMTPESSLEFFSPEAC
 RSMKLT YQESRVFEGIPT YRFTAPDTL FANGSVYPPNEGF CPCRESGIQNVSTCRFGAPLFLSQPHFYNA
 DPVLSEAVLGLNPDPK EHSFLFDIHPVTGIPMNC SVKMQLSLYIKSVKGVGQTGKIEPVVLP LLWF EQSG
 MMGGKTLNTFYTQLV LMPQVLHYA QYVLLGLG LLLLVP I IYQLRSQEKCF LFWSGSKKGSQDKEAMQAY
 SESLMSPA AKGTVLQEAKL

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_031541

ORF Size: 1527 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_031541.1](#), [NP_113729.1](#)

RefSeq Size: 2497 bp

RefSeq ORF: 1530 bp

Locus ID: 25073

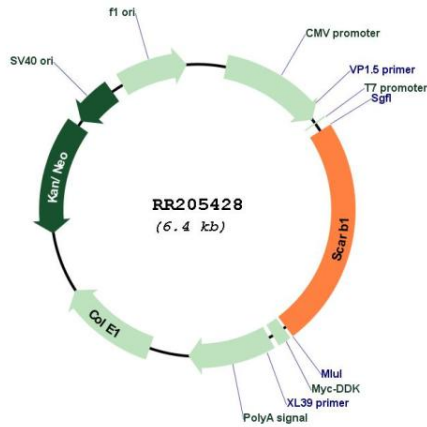
UniProt ID: [P97943](#)

Cytogenetics: 12q15

MW: 57 kDa

Gene Summary: Receptor for different ligands such as phospholipids, cholesterol ester, lipoproteins, phosphatidylserine and apoptotic cells. Receptor for HDL, mediating selective uptake of cholesteryl ether and HDL-dependent cholesterol efflux. Also facilitates the flux of free and esterified cholesterol between the cell surface and apoB-containing lipoproteins and modified lipoproteins, although less efficiently than HDL. May be involved in the phagocytosis of apoptotic cells, via its phosphatidylserine binding activity.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RR205428