

Product datasheet for **MR230294**

Scarb1 (NM_001205082) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Scarb1 (NM_001205082) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Scarb1
Synonyms:	A1120173; CD36; Cd36l1; Chohd1; Cla-1; Cla1; D5Ertd460e; Hdlq1; Hlb398; mSR-BI; SR-B1; SR-BI
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR230294 representing NM_001205082
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGCGGCAGCTCCAGGGCGCGTGGGTGGCCTTGGGGTTGGGCGCCCTGGGGCTGCTGTTTGCTGCGC
 TCGGCGTTGTGATGATCCTCATGGTGCCCTCCCTCATCAAGCAGCAGGTGCTCAAGAATGTCGCATAGA
 CCCGAGCAGCCTGTCTTCGGGATGTGGAAGGAGATCCCCGTCCCTTTCTACTTGTCTGCTACTTCTTC
 GAAGTGGTCAACCCAAACGAGGTCCTCAACGGCCAGAAGCCAGTAGTCCGGGAGCGTGGACCCTATGCT
 ACAGGGAGTTCAGACAAAAGGTCAACATCACCTTCAATGACAACGACACCGTGTCTTCGTGGAGAACC
 CAGCCTCCATTTCCAGCCTGACAAGTCGCATGGCTCAGAGAGTACTACATTGTACTGCCTAACATCTTG
 GTCCTGGGGGCTCGATATTGATGGAGAGCAAGCCTGTGAGCCTGAAGCTGATGATGACCTGGCGCTGG
 TCACCATGGGCCAGCGTCTTTATGAACCGCACAGTTGGTGAGATCCTGTGGGGCTATGACGATCCCTT
 CGTGCATTTTCTCAACACGTACCTCCAGACATGCTTCCATAAAGGGCAAATTTGGCCTGTTTGTGGG
 ATGAACAACCTCGAATTCGGGGTCTTCACTGTCTTACGGGCGTCCAGAAATTCAGCAGGATCCATCTGG
 TGGACAAATGGAACGGACTCAGCAAGATCGATTATTGGCATTGAGCAGTGAACATGATCAATGGGAC
 TTCCGGGCAGATGGGGACCCTTCATGACACCCGAATCCTCGCTGGAATTTTCAGCCCGGAGGCATGC
 AGGTCCATGAAGCTGACCTACAACGAATCAAGGGTGTGTAAGGCATCCACGATCGCTTACGGCCC
 CCGATACTCTGTTGCCAACGGTCCGCTACCCACCCAAACGAAGGCTTCTGCCATGCCGAGAGTCTGG
 CATTGAGAATGTCAGCACCTGCAGGTTTGGTGCGCCTCTGTTTCTCTCCACCCCACTTTTACAACGCC
 GACCCTGTGTTGTCAGAAGCTGTTCTTGGTCTGAACCTAACCCAAAGGAGCATTCTTGTCTCTAGACA
 TCCATCCGGTCACTGGGATCCCCATGAAGTCTTCTGTAAGATGCAGCTGAGCCTTACAAATCTGT
 CAAGGGCATCGGGCAAACAGGGAAGATCGAGCCAGTAGTTCTGCCGTGCTGTGGTTTCAACAGAGCGGA
 GCAATGGGTGGCAAGCCCTGAGCACGTTCTACACGCAGCTGGTCTGATGCCCCAGGTTCTTCACTACG
 CGCAGTATGTGCTGCTGGGGCTTGGAGGCTCCTGTTGCTGGTGGCCATCATCTGCCAACTGCGCAGCCA
 GGGTCTGAAGACACTATAAGCCCCCAAACCTGATAGCTTGGTCAAGCCAGCCACCCAGTCCCTACACC
 CCGCTTCTGAGGACTCTCAGCGGACAGCCACCAGTCCATGGCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR230294 representing NM_001205082
 Red=Cloning site Green=Tags(s)

MGGSSRARWVALGLGALLFAALGVVMILMVPSLIKQQLKNVRIDPSSL SFGMWKEIPVPFYLSVYFF
 EVVNPNEVLNGQKPVVRERGPYVYREFRQKVNITFNDNDTVSFVENRSLHFQPKSHGSESDYIVLPNII
 VLGGSI LME SKPVSLKLMMLALVTMGQRAFMRNTVGEILWGYDDPFVHFLNTYLPDMLPIKGFGLFVG
 MNNSNSGVFTVFTGVQNF SRIHLVDKWNGLSKIDYWHSEQNMINGTSGQM WAPFMTPESSLEFFSPEAC
 RSMKLTYNESRVFEGIPTYRFTAPDTLFANGSVYPPNEGFCPCRESGIQNVSTCRFGAPLFLSHPHFYNA
 DPVLSEAVLGLNPNPKEHSLFLDIHPVTGIPMNC SVKMQLSLYIKSVKGIQGTGKIEPVVLP LLWFEQSG
 AMGGKPLSTFYTLVLM PQVLHYAQYVLLGLG LLLLVP IICQLRSQGPEDTISP PNLIAWSDQPPSPYT
 PLEEDSLSGQPTSAMA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001205082

ORF Size: 1518 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_001205082.1](#), [NP_001192011.1](#)

RefSeq Size: 2405 bp

RefSeq ORF: 1521 bp

Locus ID: 20778

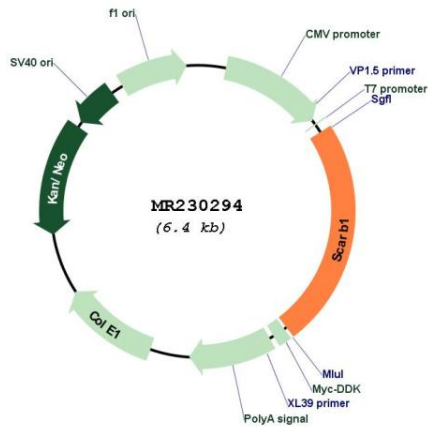
UniProt ID: [Q61009](#)

Cytogenetics: 5 G1.1

MW: 56.7 kDa

Gene Summary: Receptor for different ligands such as phospholipids, cholesterol ester, lipoproteins, phosphatidylserine and apoptotic cells (By similarity). Both isoform 1 and isoform 2 act as receptors for HDL, mediating selective uptake of cholesteryl ether and HDL-dependent cholesterol efflux (PubMed:9254074, PubMed:9614139). 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 (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR230294