

Product datasheet for **MC205679**

Scarb1 (NM_016741) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Scarb1 (NM_016741) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Scarb1
Synonyms:	AI120173; CD36; Cd36l1; Chohd1; Cla-1; Cla1; D5Ertd460e; Hdlq1; Hlb398; mSR-BI; SR-B1; SR-BI
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC004656
 GGGCGGGCTGCCGGGCCATGGCGCATAAAGCCTCTGGCCACCTGCAGGGCTACTGCTGCTCCGGCCAC
 CGCCAGGCACACACCTTGTCTGCTGAGGGAGTCTCGGCTTCTGTACTCTGTGGCCTCCGTCACCTCTGT
 CTCCGTCTCCTTCAAGTCTGAGCCCCGAGAGCCCCTCCGCGCACGCGGACATGGGCGGCAGCTCCAGG
 GCGCGCTGGTGGCTTGGGGTGGGCGCCCTGGGGTCTGTTGTGCTGCGCTCGCGTTGTCATGATCC
 TCATGGTGCCTCCCTCATCAAGCAGCAGGTGCTCAAGAATGTCCGCATAGACCCGAGCAGCTGCCTT
 CGGGATGTGGAAGGAGATCCCCGTCCTTCTACTTGTCTGCTACTTCTCGAAGTGGTCAACCCAAAC
 GAGGTCTCAACGGCCAGAAGCCAGTAGTCCGGGAGCGTGGACCTATGTCTACAGGGAGTTCAGACAAA
 AGGTCAACATCACCTTCAATGACAACGACACCGTGTCTTCTGTTGGAAGCCGAGCCTCCATTTCCAGCC
 TGACAAGTCGCATGGCTCAGAGAGTGACTACATTGACTGCCTAACATCTTGGTCTGGGGGGCTCGATA
 TTGATGGAGAGCAAGCCTGTGAGCCTGAAGCTGATGATGACCTTGGCGTGGTACCATGGGCCAGCGTG
 CTTTTATGAACCCACAGTTGGTGAATCTGTGGGGCTATGACGATCCCTTCGTGCATTTTCTCAACAC
 GTACCTCCAGACATGCTTCCATAAAGGGCAAATTTGGCCTGTTTGGTGGATGAACAACCTCGAATTCT
 GGGGTCTTACTGTCTTACGGGCGTCCAGAATTTGAGCAGGATCCATCTGGTGGACAAATGGAACGGAC
 TCAGCAAGATCGATTATTGGCATTACAGCAGTGAACATGATCAATGGGACTTCCGGGCAGATGTGGGC
 ACCCTTATGACACCCGAATCCTCGCTGGAATTTTCCAGCCGGAGGCATGCAGGTCCATGAAGCTGACC
 TACAACGAATCAAGGGTGTGTAAGGCATTTCCACGATATCGCTTACGGCCCCGATACTCTGTTTGCCA
 ACGGGTCCGTCTACCCACCAACGAAGGCTTCTGCCCATGCCGAGAGTCTGGCATTGAGAATGTCAGCAC
 CTGCAGGTTTGGTGGCCTCTGTTTCTCTCCACCCCACTTTTACAACGCCGACCTGTGTTGTCAGAA
 GCTGTTCTTGGTGAACCTAACCCAAAGGAGCATTCTTGTTCCTAGACATCCATCCGGTCACTGGGA
 TCCCATGAACCTGTTCTGTGAAGATGCAGCTGAGCCTCTACATCAAACTGTCAAGGGCATCGGGCAAA
 AGGGAAGATCGAGCCAGTAGTTCTGCCGTTGCTGTGGTTCGAACAGAGCGGAGCAATGGTGGCAAGCCC
 CTGAGCACGTTCTACACGCAGCTGGTGTGATGCCCCAGGTTCTTCACTACGCGCAGTATGTGCTGCTGG
 GGCTTGGAGGCCCTCTGTTGCTGGTGGCCATCATCTGCCAACTGCGCAGCCAGGAGAAATGCTTTTTGTT
 TTGGAGTGGTAGTAAAAAGGGCTCCCAGGATAAGGAGGCCATTACGGCCTACTCTGAGTCCCTGATGTCA
 CCAGCTGCCAAGGGCACGGTGTGCAAGAAGCCAAAGCTATAGGGTCTGAAGACTATAAGCCCCCAA
 ACCTGATAGCTTGGTCCAGACCAGCCACCCAGTCCCTACACCCCGTCTTGGAGACTCTCTCAGCGGACA
 GCCCACCAGTGCCATGGCCTGAGCCCCAGATGTACACCTGTCCGCACGCACGGCACATGGATGCCAC
 GCATGTGCAAAAACAACCTAGGGACCAGGGACAGACCTGTGCCAAGTGAAGCCTGATGGCCACAGGTGT
 GCTCTTAAATGGCCTGTGAGCCAGGCTGTGGAACTTAGCTGCTGTACAGCCCTCTGTAGGAGCTG
 GCCCTGCCAGGCTCCTGACTTCCCTCAGGAAGTCTTTCTGTCTTCTCCATCAGTCTGAAAGCCTTAGT
 TCCACAGAGGACGGATCTGTACTCTAGGGGCTGGGCATATGTCGGCCTCTTGTGCCAAGGCCAGGCA
 AGCAGTCCAGGTCTGACCAGTTTGCACACACTCTGGAGCTGTATCTGGCGTTTTTCTATCGTCTC
 TGCTATGTCACTGAATTAACCACTGTACGTGGCAGAGGTGGCAGGCCCTCAGGGTCTTATTTTCAGG
 CATGGGGTCAAAGCTAGAGGTATGGGCCGTCTACACCCCCCGCCCCCGGCATCTAGTGTACCTCACCA
 GAGGGTATTCGGAGGCCAGCATCTGCAACCGACCCCTTTTTTCTACTGGAAGAGAAATTTATCATCT
 TTTGAAAGGAAGTCATGACTGAAGCAATAAACCTTTTCTACTGATTCAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_016741

Insert Size: 1530 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: [BC004656](#), [AAH04656](#)

RefSeq Size: 2512 bp

RefSeq ORF: 1530 bp

Locus ID: 20778

UniProt ID: [Q61009](#)

Cytogenetics: 5 G1.1

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]

Transcript Variant: This variant (1) represents the predominant transcript, and encodes isoform 1.