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Product datasheet for MC228139

Scarb1 (NM_001205083) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Scarb1 (NM_001205083) 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
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin

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Fully Sequenced ORF:

>MC228139 representing NM_001205083
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGCGGCAGCTCCAGGGCGCGCTGGGTGGCCTTGGGGTTGGGCGCCCTGGGGCTGCTGTTTGCTGCGC
TCGGCGTTGTCATGATCCTCATGGTGCCCTCCCTCATCAAGCAGCAGGTGCTCAAGAATGTCCGCATAGA
CCCGAGCAGCCTGTCCTTCGGGATGTGGAAGGAGATCCCCGTCCCTTTCTACTTGTCTGTCTACTTCTTC
GAAGTGGTCAACCCAAACGAGGTCCTCAACGGCCAGAAGCCAGTAGTCCGGGAGCGTGGACCCTATGTCT
ACAGGGAGTTCAGACAAAAGGTCAACATCACCTTCAATGACAACGACACCGTGTCCTTCGTGGAGAACCG
CAGCCTCCATTTCCAGCCTGACAAGTCGCATGGCTCAGAGAGTGACTACATTGTACTGCCTAACATCTTG
GTCCTGGGGGGCTCGATATTGATGGAGAGCAAGCCTGTGAGCCTGAAGCTGATGATGACCTTGGCGCTGG
TCACCATGGGCCAGCGTGCTTTTATGAACCGCACAGTTGGTGAGATCCTGTGGGGCTATGACGATCCCTT
CGTGCATTTTCTCAACACGTACCTCCCAGACATGCTTCCCATAAAGGGCAAATTTGGCCTGTTTGTTGGG
ATGAACAACTCGAATTCTGGGGTCTTCACTGTCTTCACGGGCGTCCAGAATTTCAGCAGGATCCATCTGG
TGGACAAATGGAACGGACTCAGCAAGATCGATTATTGGCATTCAGAGCAGTGTAACATGATCAATGGGAC
TTCCGGGCAGATGTGGGCACCCTTCATGACACCCGAATCCTCGCTGGAATTCTTCAGCCCGGAGGCATGC
AGGTCCATGAAGCTGACCTACAACGAATCAAGGGTGTTTGAAGGCATTCCCACGTATCGCTTCACGGCCC
CCGATACTCTGTTTGCCAACGGGTCCGTCTACCCACCCAACGAAGGCTTCTGCCCATGCCGAGAGTCTGG
CATTCAGAATGTCAGCACCTGCAGGTTTGGTGCGCCTCTGTTTCTCTCCCACCCCCACTTTTACAACGCC
GACCCTGTGTTGTCAGAAGCTGTTCTTGGTCTGAACCCTAACCCAAAGGAGCATTCCTTGTTCCTAGACA
TCCATCCGGTCACTGGGATCCCCATGAACTGTTCTGTGAAGATGCAGCTGAGCCTCTACATCAAATCTGT
CAAGGGCATCGGGCAAACAGGGAAGATCGAGCCAGTAGTTCTGCCGTTGCTGTGGTTCGAACAGAGCGGA
GCAATGGGTGGCAAGCCCCTGAGCACGTTCTACACGCAGCTGGTGCTGATGCCCCAGGTTCTTCACTACG
CGCAGTATGTGCTGCTGGGGCTTGGAGGCCTCCTGTTGCTGGTGCCCATCATCTGCCAACTGCGCAGCCA
GGTAAGTAGGAGGGGCGGCCACGCCTCGGACTCGGCTCGGGTTTCAGCCGACCTCTGTTTCCTGCAGCTA
GCTCTTGTTCTACCTCCTCTCTCGCACCCTGCAGTAACTTTTCTCTACAAGTCCTGGAAGGCCCAGGACC
CTCCCAGGTCGGGGCTAGGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001205083

Insert Size: 1563 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).

OTI Annotation: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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_001205083.1, NP_001192012.1
RefSeq Size:	2196 bp
RefSeq ORF:	1563 bp
Locus ID:	20778
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 (3) differs at the 3' end compared to variant 1. This results in a frame-shift and a longer isoform (3) with a distinct C-terminus compared to isoform 1.