

Product datasheet for **SC316003**

SCARB1 (NM_001082959) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SCARB1 (NM_001082959) Human Untagged Clone
Tag:	Tag Free
Symbol:	SCARB1
Synonyms:	CD36L1; CLA-1; CLA1; HDLQTL6; SR-BI; SRB1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_001082959 edited
 CCCGGATCCACCGTGCCTCTGCGGCCTGCGTGCCCGGAGTCCCCGCCTGTGTCGTCTCTG
 TCGCCGTCCCCGTCTCCTGCCAGGCGGGAGCCCTGCGAGCCGCGGGTGGGCCCCAGGCG
 CGCAGACATGGGCTGCTCCGCCAAAGCGCGCTGGGCTGCCGGGGCGCTGGGCGTCGCGGG
 GCTACTGTGCGCTGTGCTGGGCGCTGTCATGATCGTGATGGTGCCGTGCTCATCAAGCA
 GCAGGCTCTTAAGAACGTGCGCATCGACCCAGTAGCCTGTCTTCAACATGTGGAAGGA
 GATCCCTATCCCCTTCTATCTCTCCGTCTACTTCTTTGACGTCATGAACCCAGCGAGAT
 CCTGAAGGGCGAGAAGCCGCGAGGTGCGGGAGCGGGGCCCTACGTGTACAGGGAGTTCAG
 GCACAAAAGCAACATCACCTTCAACAACAACGACACCGTGTCTTCTCGAGTACCGCAC
 CTTCCAGTTCCAGCCCTCCAAGTCCCACGGCTCGGAGAGCGACTACATCGTCATGCCCAA
 CATCCTGGTCTTGGGTGCGGCGGTGATGATGGAGAATAAGCCCATGACCCTGAAGCTCAT
 CATGACCTTGGCATTACCACCCCTCGGCGAACGTGCCTTCATGAACCGCGCTGTGGGTGA
 GATCATGTGGGGCTACAAGGACCCCTTGTGAATCTCATCAACAAGTACTTTCCAGGCAT
 GTTCCCCTTCAAGGACAAGTTCGGATTATTTGCTGAGCTCAACAACCTCCGACTCTGGGCT
 CTTACCGGTGTTACGGGGTCCAGAACATCAGCAGGATCCACCTCGTGGACAAGTGAA
 CCGGCTGAGCAAGTTGACTTCTGGCATTCCGATCAGTGAACATGATCAATGAACTTC
 TGGGCAAATGTGGCCGCCCTTATGACTCCTGAGTCTCGCTGGAGTTCTACAGCCCGGA
 GGCTGCCGATCCATGAAGCTAATGTACAAGGAGTCAAGGGTGTGTTGAAGGCATCCCCAC
 CTATCGCTTCGTGGCTCCAAAACCCCTGTTTGCCAACGGGTCCATCTACCCACCCAAACGA
 AGGCTTCTGCCGTGCCTGGAGTCTGGAATTGAGAAGCTCAGCACCTGCAGGTTCAAGTGC
 CCCCTTGTCTCTCCATCCTCACTTCTCAACGCTGACCCGGTCTGGCAGAAGCGGT
 GACTGGCTGCACCCTAACAGGAGGCACACTCCTTGTTCCTGGACATCCACCCGGTCCAC
 GGAATCCCATGAACTGCTCTGTGAACTGCAGCTGAGCCTACATGAAATCTGTGCG
 AGGCATTGGACAACTGGGAAGATTGAGCCTGTGGTCTGCCGCTGCTCTGGTTTGCAGA
 GAGCGGGGCCATGGAGGGGAGACTCTTACACATTCTACACTCAGCTGGTGTGATGCC
 CAAGGTGATGACTATGCCAGTACGTCCTCCTGGCGCTGGGCTGCGTCTGCTGCTGGT
 CCCTGTACTGCCAAATCCGGAGCCAAGTCTGAGGACACCGTGGCCAGCCAGGCGCT
 GGCCGCTGGGCTGACCGGCCCCAGCCCTACACCCGCTTCTCCCGACTCTCCAG
 CGGACAGCCCCAGCCCCACAGCCTGAGCCTCCAGCTGCCATGTGCCTGTTGCACACC
 TGCACACAGCCCTGGCACACATACACACATGCGTGCAGGCTTGTGCAGACACTCAGGGA
 TGGAGCTGCTGTAAGGGACTTGTAGGGAGAGGCTCGTCAACAAGCACTGTTCTGGAAC
 CTTCTCTCCACGTGGCCACAGGCTGACCACAGGGGCTGTGGTCTGCGTCCCCTTCC
 TCGGGTGAAGCTGGCCTGTCCCCTTACAGCGTTGGGCCAGGCTTCTCCCCTCCAAAGT
 GAAACTGCACTCCCGGTGTGGTGGCTCCCCATGCAGGACGGGCCAGGCTGGGAGTGCC
 GCCTTCTGTGCCAAATTCAGTGGGACTCAGTGCCAGGCCCTGGCCACGAGCTTTGGC
 CTTGGTACCTGCCAGGCCAGGCAAAGCGCCTTACACAGGCCCTCGGAAAACAATGGAG
 TGAGCACAAGATGCCCTGTGCAGCTGCCGAGGGTCTCCGCCACCCCGCCGGACTTTG
 ATCCCCCGAAGTCTTACAGGCACTGCATCGGTTGTCTGGCGCCCTTTCTCCAGCC
 TAACTGACATCATCCTATGACTGAGCCGGCCACTCTTGCCGAAGTGGCCGCAAGGCT
 GTGCCCCGAGCTGCCCCACCCCTCACAGGGTCCCTCAGATTATAGGTGCCAGGCTG
 AGGTGAAGAGGCTGGGGCCCTGCCTTCCGGGCGCTCCTGGACCTGGGCAAACCTGT
 GACCCTTTTCTACTGGAATAGAAATGAGTTTTATCATCTTTGAAAAATAATTCACCTTG
 AAGTAATAAACGTTTAAAAAAAAAAAA

Restriction Sites: Please inquire
ACCN: NM_001082959
Insert Size: 2600 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:	The ORF of this clone has been fully sequenced and found to contain one SNP compared with NM_001082959.1.
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:	<ol style="list-style-type: none">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:	<u>NM_001082959.1, NP_001076428.1</u>
RefSeq Size:	2630 bp
RefSeq ORF:	1521 bp
Locus ID:	949
UniProt ID:	<u>Q8WTV0</u>
Cytogenetics:	12q24.31
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	<p>The protein encoded by this gene is a plasma membrane receptor for high density lipoprotein cholesterol (HDL). The encoded protein mediates cholesterol transfer to and from HDL. In addition, this protein is a receptor for hepatitis C virus glycoprotein E2. Several transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Jan 2019]</p> <p>Transcript Variant: This variant (2) lacks an alternate in-frame exon, compared to variant 1, resulting in a shorter protein (isoform 2) that has a distinct C-terminus, compared to isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>