

Product datasheet for **RG218270**

SCARB1 (NM_001082959) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SCARB1 (NM_001082959) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SCARB1
Synonyms:	CD36L1; CLA-1; CLA1; HDLQTL6; SR-BI; SRB1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG218270 representing NM_001082959
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGGCTGCTCCGCCAAAGCGCGCTGGGCTGCCGGGGCGCTGGGCGTCGCGGGGCTACTGTGCGCTGTGC
 TGGGCGCTGTGATGATCGTGATGGTGCCGTCGCTCATCAAGCAGCAGGTCTTAAGAACGTGCGCATCGA
 CCCCAGTAGCCTGTCTTCAACATGTGGAAGGAGATCCCTATCCCCTTCTATCTCTCCGCTACTTCTTT
 GACGTCATGAACCCAGCGAGATCCTGAAGGGCGAGAAGCCGAGGTGCGGGAGCGGGGCCCTACGTGT
 ACAGGGAGTTCAGGCACAAAAGCAACATCACCTTCAACAACAACGACACCGTGTCTTCTCGAGTACCG
 CACCTTCCAGTTCAGCCCTCCAAGTCCCACGGCTCGGAGAGCGACTACATCGTCATGCCAACATCCTG
 GTCTTGGTGCGGCGGTGATGATGGAGAATAAGCCATGACCCTGAAGCTCATCATGACCTTGGCATTCA
 CCACCCTCGGCGAACGTGCCTTCATGAACCGACTGTGGGTGAGATCATGTGGGGCTACAAGACCCCT
 TGTGAATCTCATCAACAAGTACTTCCAGGCATGTTCCCTTCAAGGACAAGTTCGGATTATTTGCTGAG
 CTAACAACCTCCGACTCTGGGCTTTCACGGTGTTCACGGGGTCCAGAACATCAGCAGGATCCACCTCG
 TGGACAAGTGGAAACGGGCTGAGCAAGTTGACTTCTGGCATTCCGATCAGTGCAACATGATCAATGGAAC
 TTCTGGGCAAATGTGGCCGCCCTTCATGACTCCTGAGTCTCGCTGGAGTTCTACAGCCCGAGGCGCTGC
 CGATCCATGAAGCTAATGTACAAGGAGTCAGGGGTGTTTGAAGGCATCCCCACCTATCGCTTCGTGGCTC
 CAAAACCTGTTTGCCAAACGGGTCCATCTACCCACCAACGAAGGCTTCTGCCCGTGCCTGGAGTCTGG
 AATTCAGAACGTCAGCACCTGCAGGTTGAGTCCCCCTGTTTCTCTCCATCCTCACTTCTCAACGCT
 GACCCGGTCTGGCAGAAGCGGTGACTGGCTGCACCTAACCAGGAGGCACACTCCTTGTCTCTGGACA
 TCCACCCGGTACGGGAATCCCATGAAGTCTGTGAAACTGCAGTGCAGCTACATGAAATCTGT
 CGCAGGCATTGGACAACTGGGAAGATTGAGCCTGTGGTCTGCCGCTGCTCTGGTTTGCAGAGAGCGGG
 GCCATGGAGGGGAGACTCTTACACATTCTACACTCAGCTGGTGTGATGCCAAAGGTGATGCACTATG
 CCCAGTACGTCCTCTGGCGCTGGGCTGCGCTCTGCTGCTGGTCCCTGTCATCTGCCAAATCCGAGGCCA
 AGGTCTGAGGACACCGTGAAGCAGCCAGGCTGGCCGCTGGGCTGACCGGCCCCAGCCCTACACC
 CCGCTTCTCCCGACTCTCCAGCGGACAGCCCCAGCCCCACAGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG218270 representing NM_001082959
 Red=Cloning site Green=Tags(s)

MGCSAKARWAAGALGVAGLLCAVLGAVMIVMPSLIKQVQLKNVRIDPSSLSFNMWKEIPIPFYLSVYFF
 DVMNPSEILKGEKQVRERGPYVYREFRHKSNITFNNDTVSFLEYRTFQFQPSKSHGSESDYIVMPNIL
 VLGAAVMMENKPMTLKLIIMTLAFTTLGERAFMNRVGEIMWGYKDPLVNLINKYFPGMFPFKDKFGLFAE
 LNNSDSGLFTVFTGVQNISRIHLVDKWNGLSKVDFWHSQNMINGTSGQMPPFMTPESSLEFYSPAC
 RSMKLMYKESGVFEGIPTYRFVAPKTLFANGSIYPPNEGFCPCLESQI QNVSTCRFSAPLFLSHPHFLNA
 DPVLAEAVTGLHPNQEASLFLDIHPVTGIPMNCVSKLQLSLYMKSVAGIGQTGKIEPVVLP LLWFAESG
 AMEGETLHTFYQLVLPKVMHYAQYVLLALGCVLLLVPVICQIRSQPEDTVSQPLAAGPDRPPSPYT
 PLLPDSPSGQPPSPTA

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001082959

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_001082959.2](#)

RefSeq Size: 2630 bp

RefSeq ORF: 1521 bp

Locus ID: 949

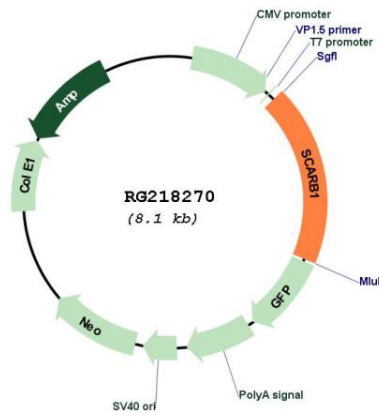
UniProt ID: [Q8WTV0](#)

Cytogenetics: 12q24.31

Protein Families: Druggable Genome, Transmembrane

Gene Summary: 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]

Product images:



Circular map for RG218270