

Product datasheet for **RC216593**

SCARF1 (NM_145352) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SCARF1 (NM_145352) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SCARF1
Synonyms:	SREC; SREC-I; SREC1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC216593 representing NM_145352
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGGCTGGGGCTGCTGCTCCCCTGCTGCTGCTCTGGACTCGGGGACTCAGGGTCCGAGCTGGACC
 CCAAAGGGCAGCACGTCTGTGTGCCAGCAGCCCTCTGCTGAGCTGCAGTGTGCGCAGGCTGGAGGCA
 GAAGGATCAAGAATGCACCATCCCCATCTGTGAGGGGCCGGACGCCTGCCAGAAAGACGAGGTGTGTGTG
 AAGCCGGGCTCTGTCGATGCAAGCCTGGATTCTTTGGGGCCACTGCAGCTCCCCTGCCCGGGCCAGT
 ACTGGGGCCCGACTGCCGTGAGAGCTGCCCTGCCACCCGCACGGCCAGTGCAGCCAGCCACGGGCGC
 GTGCCAGTGCCAGGCCGACCGCTGGGGAGCCCGCTGCGAGTTCCTGTCGCTGCCGCCCCACGGGCGC
 TGGCACCCCGCGACCGCGTGTGCCACTGCGAACC CGGTGGTGGTGTCCACGTGCCGCCCGCCGTGCC
 AGTGCAACACCGCGCGCGCTGCGAGCAGGCCACGGGCGCTGCGTGTGCAAGCCGGCTGGTGGGG
 GCGCCGCTGCAGTTCCTGCTGCAACTGCCACGGCTCCCGTGCAGCAGGACTCCGGCCGCTGCGCTGC
 CGGCCGGCTGGTGGGGTCCCGAATGCCAGCAGAGTGGCAGTGTGTGCGGGGCCCTGCAGCGCCGCT
 CCGGCGAGTGCACCTGCCCGCCCGGCTTCCGCGGAGCGCGCTGCGAGTGCCTGCCCGGACGGCAGCCA
 CGGGGTGCAGTGCACACAGCTGTGGCCGCTGCAAAACAATGAGCCGTGCTCTCCAGACACAGGCAGC
 TGTGAGTCTGCGAGCCGGGCTGGAACGGGACCCAGTGCAGCAGCCCTGCCTGCCACCTTTGGCG
 AGAGCTGCGAACAGCAGTGCCTCACTGCCGACATGGGGAGGCCCTGTGAGCCAGATACTGGCCACTGTCA
 GCGTCTCTGCGAGTGGGACACTGCCCTCATCGCGGCAGCCCTGTGCCTCTGCTGCTCTTCCCTG
 GGCCTTGCTGTGTGCTGCTGCTGGGCCCCCGATCAGACCTCAAGGACAGGCCAGCGAGAGATG
 CAGTACCGTGTCCAGGATGAAGCTGCAGTCTGGGGGACACTGACCAGCTTGGGCTCCAGCTGCCCTG
 CGTTCCCTCAGCTCCCAAGCTACCCTGGGTGACAGTCTCACATCACGACCCGGAGGTCCCCTTCAAC
 CACAGTTCATCGAGCCGCCCTGCGCGCTGGGCCACTGATGACTCCTTCTCATCCGATCCTGAGTCTG
 GAGAGGCAGATGAGGTTCTGCCTACTGTGTGCCACCCCAAGAAGGGATGGTCCCTGTGGCCAGGCAGG
 GTCGTGAGAGGCCAGCCTGGCTGCAGGTGCTTCCCGCCCTGAGGACGCCTCCACGCCATTGCCATC
 CCGCGCACCTCCAGCCTAGCTCGGGCAAGCGGCCATCGGTCTCCTTCCGGAAGGTACCAAGTTTGCAC
 CACAGAGTCGCCAAGCTCAGGGGAGCTCTCCAGCCCGCTCCGAAAGCCCAAGAGGCTCTCCGGGGGGC
 GCAGTCGGGTCTGAGGGCCGGGAAGCCGAAGAGTCCACAGGCCAGAGGAAGCAGAAGCCCGGAGTCC
 TTTCCGGCGGCTGCCAGTCCCGGGATTACGCCACTGGCCACCGCGGCCCCACTTGGTGGCCGGACAG
 TGGCTGAGCACGTGGAAGCCATTGAGGGCAGCGTCCAGGAGAGCTCGGGCCCTGTGACCAGATCTACAT
 GCTGGCAGGGAAGCCCGCGGATCCGAAGGCCCTGTCCGCTCTGTCTTCCGCCATTTTGGTAGCTTCCAG
 AAAGGCCAGGCGGAAGCCAAGGTCAAGAGGGCCATCCCTAAGCCCTCCGCGCCAGGCCCTGAATCGAAAA
 AGGGCAGCCCTGGCCTTGCTCTGGCTCTGTGCGCCAGAGCCCAACTCAGCCCCAAAAGCTGGGCTTCC
 TGGGGCCACAGGGCCTATGGCAGTCAGACCAGAGGAAGCGGTCCGGGGCTGGGGCTGGCACCGAGAGT
 TCAAGGAGAGCCAGGAGCCAGTCTCTGGCTGTGGCTCCCGAAGACAGGATCCCGAAGCAGGCTGAAG
 AGGAAAGCAGGAGGAACCTGAGTATGAGAATGTTGTACCCATCTCCAGGCCACCAGAACC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC216593 representing NM_145352
Red=Cloning site Green=Tags(s)

MGLGLLLPLLLLWTRGTQGSSELDPKGQHVCASSPSAELQCCAGWRQKQDQECTIPICEGPDACQKDEVCV
 KPGLCRCKPGFFGAHCSSRCPGQYWGPDCRESCPHPHGQCEPATGACQCQADRWGARCEFCACGPHGR
 CDPATGVCHCEPGWSSTCRRPCQCNTAAARCEQATGACVCKPGWWRRCFRNCNCHGSPCEQDSGRCAC
 RPGWWGPECQQQCECVRGRCSAASGECTCPPGFRGARCELPCPAGSHGVQCAHSCGRCKHNEPCSPDTGS
 CESCEPGWNGTQCQPCLPGTFGESCEQCPCPHCRHGEACEPDTGHCQRCSGSRDTALIAGSLVPLLLLFL
 GLACCACCCWAPRSDLKDRPARDGATVSRMKLQVWGTLTSLGSTLPCRSLSSHKL PWVTVSHHDPEVPFN
 HSFIEPPSAGWATDDSFSSDPESGEAEVPAVCVPPQEGMVPVAQGSSEASLAAGAFPPPEDASTPFAI
 PRTSSLARAKRPSVSFAEGTKFAPQSRSSGELSSPLRKPRLSRGAQSGPEGREAEESTGPEEAEAPES
 FPAASPGDSATGHRPPLGGRTVAEHVEAIEGSVQESSGPVTTIYMLAGKPRGSEGPVRSVFRHFGSFQ
 KGQAEAKVKRAIPKPPRQALNRKKGSPGLASGSGVQSPNSAPKAGLPGATGPM AVRPEEAVRGLGAGTES
 SRRAQEPVSGCGSPEQDPQKQAEERQEPEYENVVPI SRPPEP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8017_b07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM_145352

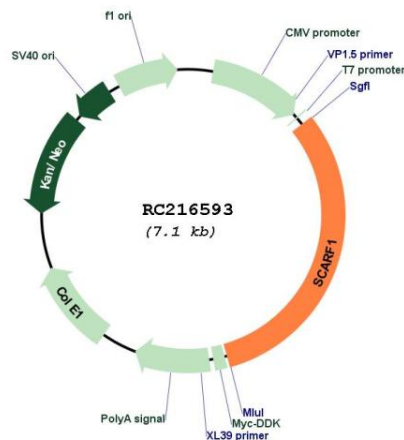
ORF Size: 2232 bp

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:	<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_145352.2</u> , <u>NP_663327.2</u>
RefSeq Size:	3199 bp
RefSeq ORF:	2234 bp
Locus ID:	8578
Cytogenetics:	17p13.3
Protein Families:	Druggable Genome
MW:	76.7 kDa
Gene Summary:	The protein encoded by this gene is a scavenger receptor that is expressed in endothelial cells. It regulates the uptake of chemically modified low density lipoproteins, including acetylated low density lipoprotein (Ac-LDL), and it may be involved in atherogenesis. This gene is regulated by the transcription factors ZNF444/EZF-2 and SP1. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2013]

Product images:



Circular map for RC216593