

Product datasheet for **RC215429**

SCARF1 (NM_145350) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SCARF1 (NM_145350) 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)



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ORF Nucleotide Sequence:

>RC215429 representing NM_145350
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGGCTGGGGCTGCTGCTCCCCTGCTGCTGCTCTGGACTCGGGGACTCAGGGTCCGAGCTGGACC
 CCAAAGGGCAGCACGTCTGTGTGGCCAGCAGCCCTCTGCTGAGCTGCAGTGTGCGCAGGCTGGAGGCA
 GAAGGATCAAGAATGCACCATCCCCATCTGTGAGGGGCCGGACGCCTGCCAGAAAGACGAGGTGTGTGTG
 AAGCCGGGCTCTGTCGATGCAAGCCTGGATTCTTTGGGGCCACTGCAGCTCCCCTGCCCGGGCCAGT
 ACTGGGGCCCCGACTGCCGTGAGAGCTGCCCTGCCACCCGCACGGCCAGTGCAGCCAGCCACGGGCGC
 GTGCCAGTGCCAGGCCGACCGCTGGGGAGCCCGCTGCGAGTTCCTGTCGCTGCCGCCCCACGGGCGC
 TGCCACCCCGCGACCGCGTGTGCCACTGCGAACCCTGGTGGTGTCCACGTGCCGCCGCCCTGCC
 AGTGCAACACCCGGCGCGCTGCGAGCAGGCCACGGGCGCTGCGTGTGCAAGCCGGCTGGTGGGG
 GCGCCGCTGCAGTTCCTGCTGCAACTGCCACGGCTCCCCGTGCGAGCAGGACTCCGGCCGCTGCGCTGC
 CGGCCGGCTGGTGGGGTCCCAATGCCAGCAGCAGTGCAGTGTGTGCGGGGCCCTGCAGCGCCGCT
 CCGGCGAGTGCACCTGCCCGCCCGGCTCCGCGGAGCGCGCTGCGAGTGCCTGCCCGGACGGCAGCCA
 CGGGGTGCAGTGCACACAGCTGTGGCCGCTGCAAAACAATGAGCCGTGCTCTCCAGACACAGGCAGC
 TGTGAGTCTGCGAGCCGGGCTGGAACGGGACCCAGTGCAGCAGCCCTGCCTGCCACCTTTGGCG
 AGAGCTGCGAACAGCAGTGCCTCACTGCCGACATGGGGAGGCCGTGTGAGCCAGATACTGGCCACTGTCA
 GCGCTGTGACCTGGCTGGTGGGGCCAGGTGTGAAGACCCCTGCCCACTGGTACCTTTGGGGAAGAC
 TGTGGCTACTACCTGCCCCACCTGTGTTCAAGGGTCTGTGATACTGTGACAGGGGACTGTGTCTCAGTGC
 CCGGCTACTGGGGGCCAGCTGCAACGCCTCCTGCCAGCCGGTTCCATGGAAACAACACTGCAGTTC
 TTGTGAATGCCAGAGGGACTCTGCCACCTGTCTCTGGGTCTGCCAGCCAGGCTCTGGCAGTCCGGGAC
 ACTGCCCTCATCGCGGGAGCCTTGTGCCTCTGCTGCTGCTCTTCTGGGCTTGCTGCTGTGCCTGCT
 GCTGCTGGGCCCCCGATCAGACCTCAAGGACAGGCCAGCAGAGATGGAGCTACCGTGTCCAGGATGAA
 GCTGCAGGTCTGGGGGACTGACCAGCTTGGGCTCCACGCTGCCCTGCCGTTCCCTCAGCTCCCACAAG
 CTACCCTGGGTGACAGCTTATCGAGCCGCCCTGCGCGCTGGGCCACTGATGACTCCTTCTCATCCGA
 TCCTGAGTCTGGAGAGGCAGATGAGTTCTGCCTACTGTGTGCCACCCCAAGAAGGGATGGTCCCTGTG
 GCCAGGCAGGGTCGTGAGAGGCCAGCCTGGCTGCAGGTGCTTCCCGCCCCCTGAGGACGCTCCACGC
 CATTCCGCATCCCGCGCACCTCCAGCC

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC215429 representing NM_145350
 Red=Cloning site Green=Tags(s)

MGLGLLLPLLLLWTRGTQGSELDPKGQHVCVASSPSAELQCCAGWRQKDQECTIPICEGPDACQKDEVCV
 KPGLCRCKPGFFGAHSSRCPGQYWGPDCRESCPCHPHGQCEPATGACQCQADRWGARCEFPACGPHGR
 CDPATGVCHCEPGWWSSTCRRPCQCNAAARCEQATGACVCKPGWWGRRCFRNCNCHGSPCEQDSGRCAC
 RPGWWGPECQQQCEVGRCSAASGECTCPPGFRGARCELPCPAGSHGVQCAHSCGRCKHNEPCSPDTGS
 CESCEPWNGTQCQQPCLPGTFGESCEQQCPHCRHGEACEPDTGHCQRCDPGWLGPREDPCPTGTFGED
 CGSTCPTCVQGSCTVTGDCVCSAGYWGPNASCPAGFHGNNSVPECEPGLCHPVSGSCQPGSGSRD
 TALIAGSLVPLLLLFLGLACCACCCWAPRSDLKDRPARDGATVSRMKLQVWGTLSLGSSTLPCRSLSSHK
 LPWVTASSRPLPAGPLMTPSHPILSLERQMRFLPTVCHPKKGWSLWPRQGRQRPWLQVLSRPLRTPPR
 HSPSRAPPA

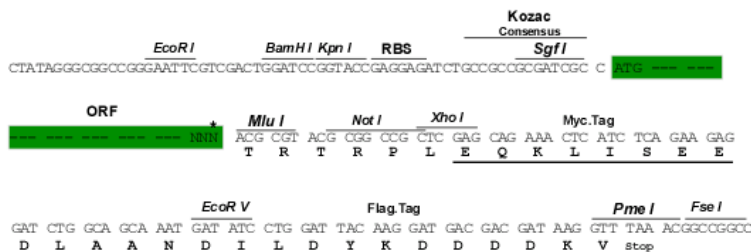
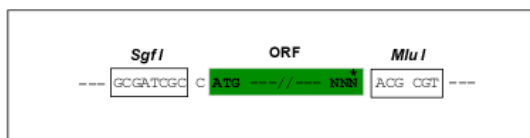
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

ACCN: NM_145350

ORF Size: 1707 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_145350.3](#)
RefSeq Size: 3420 bp

RefSeq ORF: 1710 bp

Locus ID: 8578

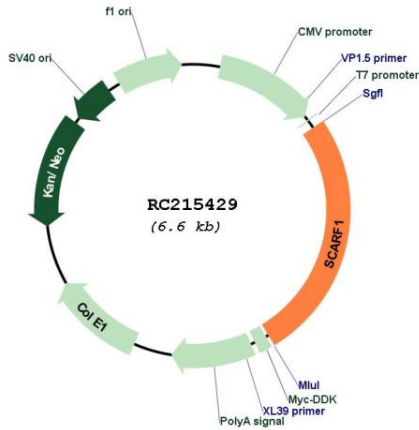
UniProt ID: [Q14162](#)
Cytogenetics: 17p13.3

Protein Families: Druggable Genome

MW: 58.7 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 RC215429