

Product datasheet for SC324117

SCARF1 (NM_003693) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SCARF1 (NM_003693) Human Untagged Clone
Tag:	Tag Free
Symbol:	SCARF1
Synonyms:	SREC; SREC-I; SREC1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_003693.2
 CCACGCGTCCGGAGCTGTGGGGCCAGACGAACCCGAGCGCTCCCACCGAGCTGCCTGCC
 ATGGGGCTGGGGCTGCTGCTCCCGTGTGCTGCTCTGGACTCGGGGACTCAGGGTCC
 GAGCTGGACCCCAAAGGGCAGCAGCTCTGTGTGGCCAGCAGCCCTCTGCTGAGCTGCAG
 TGCTGCGCAGGCTGGAGGCAGAAGGATCAAGAATGCACCATCCCCATCTGTGAGGGGCCG
 GACGCCTGCCAGAAAGACGAGGTGTGTGAAGCCGGGCCTCTGTCGATGCAAGCCTGGA
 TTCTTTGGGGCCCACTGCAGCTCCCGTGCCTGGGCCAGTACTGGGGCCCGACTGCCGT
 GAGAGTGCCTTCCACCCGACGGCCAGTGCAGCCAGCCACGGGCGCGTGCAGTGC
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 TGCGAGCAGGACTCCGGCCGCTGCGCTGCCGGCCGGGCTGGTGGGGTCCGAATGCCAG
 CAGCAGTGCAGTGTGTGCGGGCCGCTGCAGCGCCGCTCCGGCGAGTGCACCTGCCCG
 CCCGGCTTCCGCGGAGCGCGCTGCGAGCTGCCCTGCCCGCAGGCAGCCACGGGGTGCAG
 TGCGCACACAGCTGTGGCCGCTGCAAACAATGAGCCGTGCTCTCCAGACACAGGCAGC
 TGTGAGTCTGCGAGCCGGGCTGGAACGGGACCCAGTGCAGCAGCCCTGCCTGCCTGGC
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 CCTGCCCACTGGTACCTTTGGGAAGACTGTGGCTTACCTGCCCACTGTGTTGAG
 GGGTCTGTGATACTGTGACAGGGGACTGTGTCTGCAAGTCCCGGCTACTGGGGCCAGC
 TGCAACGCCTCCTGCCAGCCGGTTTCCATGGAACAACCTGCTCAGTTTCTTGTGAATGC
 CCAGAGGGACTCTGCCACCCTGTCTCTGGGTCCTGCCAGCCAGGCTCTGGCAGTCGGGAC
 ACTGCCCTCATCGTGGGCAGCCTTGTGCCTCTGCTGCTGCTTCTCTGGGCTTGTGCCTGC
 TGTGCCTGCTGCTGCTGGGCCCCCGATCAGACCTCAAGGACAGGCCAGCGAGAGATGGA
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 CTGCCCTGCCGTTCCCTCAGCTCCACAAGCTACCCTGGGTGACAGTCTCACATCAGAC



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CCGGAGGTCCCCTTCAACCACAGCTTCATCGAGCCGCCCTCTGCCGGCTGGGCCACTGAT
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ACTTTTGTACTAGATTGAATTTGATAAAGTATAATAAAAAGCAATGATCTTTGTTAAAA
AAATAAAAAGTACTAACATTACAAAAA

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- Restriction Sites:** ECoRI-NOT
- ACCN:** NM_003693
- 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:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- 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_003693.2](#), [NP_003684.2](#)

RefSeq Size: 3457 bp

RefSeq ORF: 2493 bp

Locus ID: 8578

UniProt ID: [Q14162](#)

Cytogenetics: 17p13.3

Domains: EGF

Protein Families: Druggable Genome

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]
Transcript Variant: This variant (1) encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.