

Product datasheet for **RG207919**

SCARF1 (NM_003693) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SCARF1 (NM_003693) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SCARF1
Synonyms:	SREC; SREC-I; SREC1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG207919 representing NM_003693
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

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 TCTCTGGCTGTGGCTCCCAAGACAGGATCCCCAGAAGCAGGCTGAAGAGGAAAGGCAGGAGGAACCTGA
 GTATGAGAATGTTGTACCCATCTCCAGGCCACCAGAACC

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG207919 representing NM_003693
 Red=Cloning site Green=Tags(s)

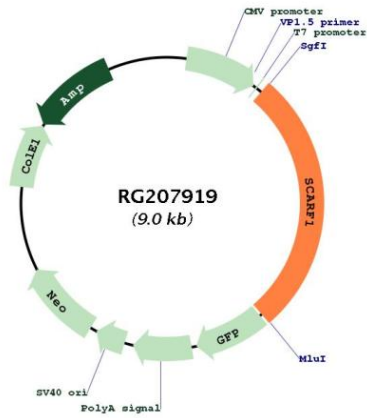
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RPGWWGPECQQQCECVRGRCSAASGECTCPPGFRGARCELPAPAGSHGVQCAHSCGRCKHNEPCSPDTGS
CESCEPGWNGTQCQPCLPGTFGESCEQQCPHCRHGEACEPDTGHCQRCDPGWLGPRCEDPCPTGTFGED
CGSTCPTCVQGSCDVTGDCVCSAGYWGPNASCPAGFHGNNCSVPCECEGLCHPVSGSCQPGSGSRD
TALIVGSLVPLLLLFLGLACCACCCWAPRDLKDRPARDGATVSRMQLQVWGTLSLSTLPCRSLSSHK
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AGAFPPPEDASTPFAIPRTSSLARAKRPSVSFAEGTKFAPQSRSSGELSSPLRKPRLSRGAQSGPEGR
EAEESTGPDEAEAPESFPAAASPGDSATGHRPPLGSRTVAEHVEAIEGSVQESSGPVTTIYMLAGKPRG
SEGPVRSVFRHFGSFQKQAEAKVKRAIPKPPRQALNRKKGSPGLASGVSQSPNSAPKAGLPGATGPMA
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TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
OTI Annotation:	<p>This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.</p>
Components:	<p>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).</p>
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:	NM_003693.1
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:	<p>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]</p>

Product images:



Circular map for RG207919