

Product datasheet for **MR207598**

Scarf1 (BC080288) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Scarf1 (BC080288) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Scarf1
Synonyms:	SREC, SREC-I, mKIAA0149
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR207598 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGGACTAGAGCTGGTGTCTCACTGTTGCTGCTCTGGACTCAGGGGACCCAGGGATCCACGCTAGACC
 CTGCTGGTCAGCAGCTCTGTAAAGGCAGCAGCCCTCTGAGCTCCAGTGTGTCCCGGCTGGAGGCAGAA
 AGATCAAGAATGCACCATCCCCATCTGTGAGGGCCTGATGCCTGCAGGAAAGAAGAGGTCTGCGTGAAG
 CCGGGCCTCTGTCGGTGTAAACCTGGATTCTTCGGAGCCAGTGCAGCTCCCGCTGTCCAGGACAGTACT
 GGGGCCACGACTGTCGTGAGACCTGCCCTGTCATCCACGTGGCCAGTGCGAACCGGCCACGGGTGATTG
 CCAATGCCAGCCTAACTACTGGGGCAGGCTCTGTGAGTTCCTGCACCTGCGGCCCCACGGACAGTGC
 GACCCAAAGACAGGCTTGTGCCACTGTGACCCTGGCTGGTGGTCAACACGTGTCGTGCCCCATGCCAGT
 GCAACCCAGCCTCAGCTGTGACCAGGCCACTGGAACCTGTGTATGCCCGCCGGGCTGGTGGGGCCGCC
 CTGCAGCTTCAGTTGCAACTGCCACACCTGCCCTGCATGCAGGACTCCGGCCGCTGCGTCTGCCTGCCG
 GGCTGGTGGGGTCCGGAGTGCAGTCGTAAGTGCCAGTGTGTGCGAGGCCAATGCAGCGTTACTTCTGGCC
 ACTGTTCTGCCCTCCTGGCTTCCATGGAATCCGCTGTGAGCTGCCTTGAACCCCTGGCCACTATGGGGC
 ACAGTGCAAAGAAAGCTGTGGCCACTGTGAGCTGAATGCCACATGCTCTCCAGTCAACCGCAACTGTGAG
 TCCTGCAAGCCAGGCTGGAACGGTACTCAGTCAAAGCAGCCATGTCTGCAGGCACCTTTGGTGAGAGGT
 GCACTGGGCAGTCCCCCGCTGCCGGCTTGGGGAGCCCTGTCAAGCGGAAACTGGGCACTGCCAGCACTG
 CGACCCCGGTTGGCTGGGGCACAGGTGTGAGAACCTTGTCCCTTGGCACCTTTGGGAAGGGCTGCAGC
 TCAACCTGCCCTGCCTGTGCTCAGGGGACTTGCATGCCGTGGCTTCCACGGAAACAACCTGCTATGCCCTGCCA
 ACTGGGGACAGCTGCAACAGTTCCTGCCAGCTGGCTTCCACGGAAACAACCTGCTATGCCCTGCCA
 ATGCCCAGAGGGGCTCTGCCACCCTGTGTCTGGGACCTGCCAGCTGGGCGGTCATGGTAAGAAGCCCTC
 ATTGTGGGCATCCTGGTACCTCTGCTGCTCCTCATGGGCATCGTCTGCTGTGCTACTGCTGCTCAG
 GAACCCGACTGGACCCCAAGGACAGAGATGGTCCCTATGGCCCAAGAAGAGTCAACAGAAGCCAGCCTTC
 CTGGAGGCTCCTTCCCTCCCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207598 protein sequence
 Red=Cloning site Green=Tags(s)

MGLELVFSLLLLWTQGTQGSTLDPAGQHVCKGSSPSELQCCPGWRQKQDECTIPICEGPDACRKEEVCVK
 PGLCRCKPGFFGAQCSSRCPGQYWGHDCRETCPCHPRGQCEPATGDCQCQPNYWGRLCEFPCTCGPHGQC
 DPKTGLCHCDPGWWSPTCRRPCQCNPASRCDQATGTCVCPGWWGRRCSFSCNCHTSPCMQDSGRCVCLP
 GWWGPECSRKCCQVVRGQCSVTSGHCSCPPGFHGRCELPCNPGHYGAQCKESCGHCELNATCSPVTGNCE
 SCKPGWNGTQCKQPCPAGTFGERCTGQCPRCRLGEPQAEAGHCQHCDPGWLGHRCENPCPLGTFGKGC
 STCPACAQGTCDAVTGECVCSAGYWGTSNSSCPAGFHGNNSMPCQCEGLCHPVSGTCLGRHGKNAL
 IVGILVPLLLLLMGIVCCAYCCSGTRLDPKDRDGPYPRRVTRSPSWRLLPSP

TRTRPLEQ**KL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

ACCN: BC080288

ORF Size: 1422 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: [BC080288](#), [AAH80288](#)
RefSeq Size: 2626 bp

RefSeq ORF: 1424 bp

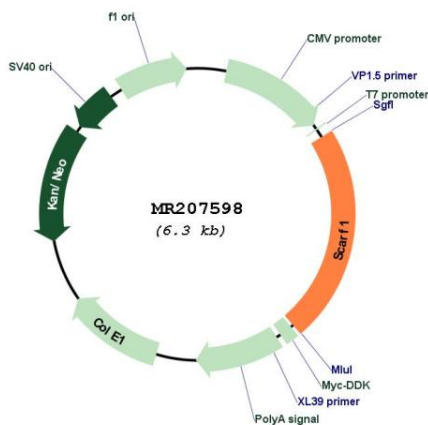
Locus ID: 380713

Cytogenetics: 11 B5

MW: 50.8 kDa

Gene Summary: Mediates the binding and degradation of acetylated low density lipoprotein (Ac-LDL). Mediates heterophilic interactions, suggesting a function as adhesion protein (By similarity). Plays a role in the regulation of neurite-like outgrowth.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR207598