

## Product datasheet for **MR215380**

### Scarf1 (NM\_001004157) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Scarf1 (NM_001004157) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Scarf1
Synonyms:	AA986099; mKIAA0149; SREC; SREC-I
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR215380 representing NM\_001004157  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCTGGCCGCCATGGGACTAGAGCTGGTGTCTCACTGTTGCTGCTCTGGACTCAGGGACCCAGGGAT  
 CCACGCTAGACCCTGCTGGTCAGCACGTCTGTAAGGCAGCAGCCCTCTGAGCTCCAGTGTGTCCCGG  
 CTGGAGGCAGAAAGATCAAGAATGCACCATCCCATCTGTGAGGGGCTGATGCCTGCAGAAAGAGAG  
 GTGTGCGTGAAGCCGGGCTCTGTGCGTGTAAACCTGGATTCTTCGGAGCCAGTGCAGCTCCCGTGTG  
 CAGGACAGTACTGGGCCACGACTGTCGTGAGACCTGCCCTGTCATCCACGTGGCCAGTGCGAACCGGC  
 CACGGGTGATTGCCAATGCCAGCCTAACTACTGGGCAGGCTCTGTGAGTCCCTGCACCTGCGGCCCC  
 CACGGACAGTGCACCCAAAGACAGGCTTGTGCCACTGTACCCTGGCTGGTGGTACCCACGTGTCGTC  
 GCCCATGCCAGTGAACCCAGCCTCACGCTGTACCAGGCCACTGGAACCTGTGTATGCCCGCCGGGCTG  
 GTGGGGCCGGCTGCAGCTTCAGTTGCAACTGCCACACCTCGCCCTGCATGCAGGACTCCGGCCGCTGC  
 GTCTGCCTGCCGGCTGGTGGGGTCCGGAGTGCAGTCTAAGTGCCAGTGTGTGCCAGGCAATGCAGCG  
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 CCACTATGGGGCACAGTGCAAAGAAAGCTGTGGCCACTGTGAGCTGAATGCCACATGCTCTCCAGTACCC  
 GGCAACTGTGAGTCTGCAAGCCAGGCTGGAACGGTACTCAGTGAAGCAGCCATGTCTGCAGGCACCT  
 TTGGTGAGAGGTGCACTGGGCAGTGCACCCGCTGCCGGCTTGGGGAGCCCTGTCAAGCGGAAACTGGGCA  
 CTGCCAGCACTGCACCCCGTTGGCTGGGGCACAGGTGTGAGAACCTTGTCCCTTGGCACCTTTGGG  
 AAGGGCTGCAGCTCAACTGCCCTGCCTGTGCTCAGGGGACTTGCATGCCGTGACTGGGGAATGTGTCT  
 GCAGTGTGGCTACTGGGGGACAGCTGCAACAGTTCTGCCAGCTGGTTCACCGAAACAACATGCTC  
 TATGCCCTGCCAATGCCAGAGGGGCTCTGCCACCCTGTGTCTGGGACCTGCCAGCTGGGCCGTCATGGT  
 AAGAACGCCCTCATTGTGGGCATCCTGGTACCTCTGCTGCTCCTCATGGGCATCGTCTGCTGTGCCCT  
 ACTGCTGCTCAGGAACCCGACTGGACCCCAAGGACAGGCCTGAGAGAAATGGGGTGCCTTTTTTCAGAA  
 GAAGCAGCAGGTATGGGGGGCCCTACCAACTTGGGCTCGGCACTGCCCTGTGGTCCCTCAGTAACTAC  
 AAGCTACCCTGGGTGACAGTTTCTCATCACGATCCAGAGGTCCCCTTCAACCATAGCTTCATCGAGCCCC  
 CCTCTGCCGGCTGGCCCTGACGACTCCTTCTCTGTGATCCTGACTCTGGAGAAGAGGACGAAGCTCA  
 TGCCCTACTTCGTGCCCTCGAGAAGAGATGGTCCCTATGGCCCAAGAAGAGTACCAGAAGCCAGCCTT  
 CCTGGAGGCTCCTTCCCTCCCCCTGAGGATGCCCTCCACACCATCCCCATTCCACGTACCTCCAGCCTGG  
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 TGGGGATCTCTCCAGCCCATACGAAAACCAAGAGACTCTCCAGAGGTGCTCAACCCCGTCTGAAAGGG  
 CAGGAGGCGGAGGAGTCTACAGGCCAGAGCAAGTGAACACAGAGGAGGATGCTCCTACGGCCACAAGCT  
 CTGGAGATCCTGCCACTAGTACGGCCAACTTCCACCTGGTAGCCAGATGGTAGCTGAGTGTGCGGAGAC  
 CACTGATGGAGGCATCCAGGAGAGCTCAGGATCTGTGGCCACTATCTATATGCTGGCAGGGACACCTCAG  
 AAACCTGAGGGTCTGTCTGGTCTGTCTTTCGTCGTTTGGGAACTACCAGAAAGATCAGATGGATCCCA  
 AAGTAAAGAGTGCTATCCCTAAGCCTCTGCGCCGATCTCTGGGTCCGAACAGGCCAGCGCTGGCTCAGC  
 TCCAGGTGCTGTCTCTCCAGGCCATGGAGTCCACCGCAGTTAGACCAGAGGAAACCCAGAGGTTCTG  
 GGAGATGGCATTGAGAGCTCAGGGACTGTCCAGGAGCCAGACGCTGGAGGCAAGTTCCCTGGAACAGGATT  
 CCCAGAAGCAGGCGAAGAGAAGGAGCAAGAGGAGCCCTGTATGAGAATGTTGTGCCATGTCCGTGCC  
 GCCACAGCAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR215380 representing NM\_001004157  
 Red=Cloning site Green=Tags(s)

MLAAMGLELVFSLLLLWTQGTQGSTLDPAGQHVCKGSSPSELQCCPGWRQKDQECTIPICEGPDACRKEE  
 VCVKPGLCRCKPGFFGAQCSSRCPGQYWGHDCRETCPCHPRGQCEPATGDCQCQPNYWGRLCEFPCTCGP  
 HGQCDPKTGLCHCDPGWWSPTCRRPCQCNPASRCDQATGTCVCPGWWGRRCSFSCNCHTSPCMQDSGRC  
 VCLPGWWGPECSRKCQCVRGQCSVTSGHCSCPPGFHGIRCELP CNPGHYGAQCKESCGHCELNATCSPVT  
 GNCE SCKPGWNGTQCKQPCPAGTFGERCTGQCPRCRLGEPQAE TGHCQHCDPGWLGHRCENPCPLGTFG  
 KGCSSTCPACAQGTCDAVTGECVCSAGYWGTSCNSSCPAGFHGNNCSMPCQCPEGLCHPVSGTCQLGRHG  
 KNALIVGILVPLLLLLMGIVCCAYCCSGTRLDPKDRPERNGAAFFRMKQQVWGALTNLGSALPCGSLSNY  
 KLPWVTVSHHDPEVPFNHSFIEPPSAGWASDDSFSSDPDSGEDEAHAYFVPPREEMVPMQEESEPEASL  
 PGGSFPPPEDASTPFIPIRTSSLARAKRPSVSFAEGTKFAPQNGRSSGDLSSPIRKPKRLSRGAQPRPEG  
 QEAEESTGPEQVNTTEEDAPTATSSGDPATSHGQLPPGSQMVAECAETTDGGIQESSGSVATIYMLAGTPQ  
 KPEGPVWSVFRRLGNYQKDQMDPKVKS AIPKPLRRSLGRNQASAGSAPGAVLSQAMESTAVRPEETPRGL  
 GDGIESSGTVQEPDAGGSSLEQDSQKQAEKEQE EPL YENVVPMSPVPPQH

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NM\_001004157

**ORF Size:** 2460 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\\_001004157.2](#), [NP\\_001004157.2](#)

**RefSeq Size:** 2884 bp

**RefSeq ORF:** 2463 bp

**Locus ID:** 380713

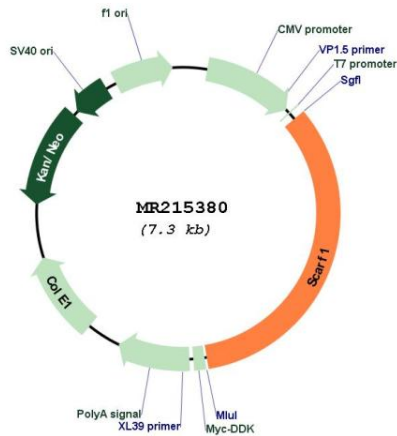
**UniProt ID:** [Q5ND28](#)

**Cytogenetics:** 11 B5

**MW:** 87.9 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 MR215380