

Product datasheet for **SC215989**

Macrophage Scavenger Receptor I (MSR1) (NM_002445) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Macrophage Scavenger Receptor I (MSR1) (NM_002445) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	MSR1
Synonyms:	CD204; phSR1; phSR2; SCARA1; SR-A; SR-AI; SR-AII; SR-AIII; SRA
ACCN:	NM_002445
Insert Size:	1715 bp



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Insert Sequence: >SC215989 3'UTR clone of NM_002445
 The sequence shown below is from the reference sequence of NM_002445. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
ACTGATCATATTAGGGCAGGGCCCTCTAAGATCAGGTGGTTGGGCGGGACATCCTCTGCTACCATCT
CATTAAAAGGCCCTTCACCTCTGGACAAGTCATCTGCACAACGACTTCCAAGATCCTTTTGTGACTCC
TCCAAATGACTTTGGTCCCGTGTGTACCTGACTTCCACATGGCCTTCTCCTGGTCCCTGGTGTG
TTTGGGCTCTGCTCCCATGCTCATACCTTCTTACTCCAATTACTCCACCATCACCTCTCTCCCTA
TCACCCCGAGCCTGGACACCTCTCATGCACGGACTGGAGGGCTGCTCAACCAGTCTCAGTTCTCTGC
CACCCATTGACCTAGAGTCTTGAACCAATTTAATTTATTGGTTCTAGGAGAACTGCTGTGTTCTCAC
CCTAAGTGGAAAGAGTGATGTTTCAGTCAAGCAAAGCGATTCTACCATAACAATAAACACTTGTGTGA
GGCTCTGCTCCTAAATATCTCAATTACCAATATGTGGTTTGGTAGTATTTCTCGCCATGCTTTGCTCATG
CGCAATGAGACTACAACCTAGGGTGTAAATTTAAGTATCCCATCTAAAACCTACATAATGATAGGAAAA
ATCCATTTGTTTTTCATTTGATTTTTACTGAGGAATCAGCTCAATCTTCAATGAATACTGGTCTCTTTC
CAAAGCATTTTTGATCAAAGTAAAGACTGAGTCAAGGGCTTTTTTTTTTTCTTTTTCTGTTTTAAGAG
ACAGAGCCTTGTCTATTGCACAGGCTGGACTACACGCATTACCTAGAGTCTAGAACACAATTTAATT
TATTGGTTCTAGGAGAACTGTCATGAGTATTGATAATAGAGAGTTCTTTATATTCAAACATTATTCT
CAACCAGAGATAGGGATGTCATAGAAGAAAATCCATTCATTCAATCATTAAATTCATGTCATTATGT
ACCTCCATGAGCTGGACATAACAGCTAATAAGAGATAATTGTCTCTGGTTTTACAGAGCTAATTGCCC
TAAGAGATGTAGACAAAATGAACAAGCAATTACAATACATCTAAGCTATACTGGGGGAGGAACAGGGCTG
GATAGGTATGCAGAGGAGATAAAAAAATTTAATTCTTGAATATTTTTTAAAAAATTGATTCTTATTT
TACCTTCTCATCTTCTTATTTTCCAAATACAGCATATATATATATATATATATATATATATATATA
TATATATATATATTTTTTTTTTTTTTTTTTTTTTTTTTTTTAAGTTTTGAAGTGTAGTCGAGCTTGGG
CAATTTATCCAACCCATTTAAACCAAAAAATAAACTTTTCATGTATTACCTGGTCATTTCAAACAAAA
TATTTTGATCATGAAAAAGAATACCAATATTCTTTTGTCTAAAAATCTTTATGGGATTACATGTTAT
ATTTTTGGTTTCTCTACTGATCAACAGACTACATTTTCAACTCTTCTTTTACGTTTTAACA
CACAGACCAAGATTCATACTATTAAGATTCTAGTAGAACTCTAGATGGTATGCCTCTGTGTATCTCAG
CATTTTTATTCCACTCTGTATAATGAACATGTTAACACCTACCTCACAGGGTTGTTGTGAGGATCAA
GTAAGATATTGTGTGTGAAGATGCTCTGTGAAATCATAAAGTCTTTAAAGATGTAA
ACGCGTAAAGCGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites: Sgfl-Mlul

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_002445.4](#)

Summary:

This gene encodes the class A macrophage scavenger receptors, which include three different types (1, 2, 3) generated by alternative splicing of this gene. These receptors or isoforms are macrophage-specific trimeric integral membrane glycoproteins and have been implicated in many macrophage-associated physiological and pathological processes including atherosclerosis, Alzheimer's disease, and host defense. The isoforms type 1 and type 2 are functional receptors and are able to mediate the endocytosis of modified low density lipoproteins (LDLs). The isoform type 3 does not internalize modified LDL (acetyl-LDL) despite having the domain shown to mediate this function in the types 1 and 2 isoforms. It has an altered intracellular processing and is trapped within the endoplasmic reticulum, making it unable to perform endocytosis. The isoform type 3 can inhibit the function of isoforms type 1 and type 2 when co-expressed, indicating a dominant negative effect and suggesting a mechanism for regulation of scavenger receptor activity in macrophages. [provided by RefSeq, Jul 2008]

Locus ID:

4481

MW:

66.9