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Product datasheet for MR205384

Msr1 (NM_031195) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Msr1 (NM_031195) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Msr1
Synonyms:	MRS-A; MSR; MSR-A; Scara1; Scvr; SR-AI; SR-AII
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

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>MR205384 representing NM_031195
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGACAAAAGAGATGACAGAGAATCAGAGGCTCTGCCCTCATGAACAAGAGGATGCTGACTGCAGTTCAG
AATCCGTGAAATTTGACGCACGTTCAATGACAGCATCCCTTCCTCACAGCACTAAAAATGGCCCCTCCCT
TCAGGAGAAGTTGAAGTCCTTCAAGGCTGCCCTCATTGCTCTCTACCTCCTTGTGTTTGCAGTACTAATA
CCTGTTGTTGGAATAGTAACAGCTCAGCTTTTGAATTGGGAAATGAAGAACTGCTTAGTTTGTTCACTTA
ACACAAGTGACACATCTCAAGGTCCTATGGAAAAAGAAAATACCAGTAAAGTGGAAATGAGATTTACAAT
TATCATGGAACACATGAAGGACATGGAGGAGAGAATCGAAAGCATTTCAAACTCAAAAGCCGACCTTATA
GACACGGAACGCTTCCAGAATTTCAGCATGGCAACTGACCAAAGACTTAATGATATTCTTCTGCAGTTAA
ATTCCTTGATTTCGTCAGTCCAGGAACATGGGAATTCACTGGATGCAATCTCCAAGTCCTTGCAGAGTCT
GAATATGACACTGCTTGATGTTCAACTCCATACAGAAACACTGAATGTCAGAGTCCGTGAATCTACAGCA
AAGCAACAGGAGGACATCAGTAAATTGGAGGAACGTGTGTACAAAGTATCAGCAGAAGTCCAGTCTGTGA
AAGAAGAACAAGCGCACGTGGAACAGGAAGTAAAACAGGAAGTGAGAGTATTGAACAACATCACCAACGA
CCTCAGACTGAAGGACTGGGAACACTCACAGACACTGAAAAACATCACCTTCATTCAAGGGCCTCCTGGA
CCCCAAGGTGAAAAGGGAGACAGAGGGCTTACTGGACAAACTGGTCCACCTGGTGCTCCAGGAATAAGAG
GTATTCCAGGTGTTAAAGGTGATCGGGGACAAATTGGCTTCCCTGGAGGTCGAGGAAACCCAGGAGCACC
AGGAAAGCCAGGGAGGTCGGGATCTCCTGGACCTAAAGGACAAAAGGGAGAGAAGGGGAGTGTAGGCGGA
TCAAGATCAGTA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
```

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Protein Sequence:

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>MR205384 representing NM_031195
Red=Cloning site Green=Tags(s)

MTKEMTENQRLCPHEQEDADCSSESVKFDARSMTASLPHSTKNGPSLQEKLKSFKAALIALYLLVFAVLI
PVVGIVTAQLLNWEMKNCLVCSLNTSDTSQGPMEKENTSKVEMRFTIIMEHMKDMEERIESISNSKADLI
DTERFQNFSMATDQRLNDILLQLNSLISSVQEHGNSLDAISKSLQSLNMTLLDVQLHTETLNVRVRESTA
KQQEDISKLEERVYKVSAEVQSVKEEQAHVEQEVKQEVRVLNNITNDLRLKDWEHSQTLKNITFIQGPPG
PQGEKGDRGLTGQTGPPGAPGIRGIPGVKGDRGQIGFPGGRGNPGAPGKPGRSGSPGPKGQKGEKGSVGG
SRSV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV
```
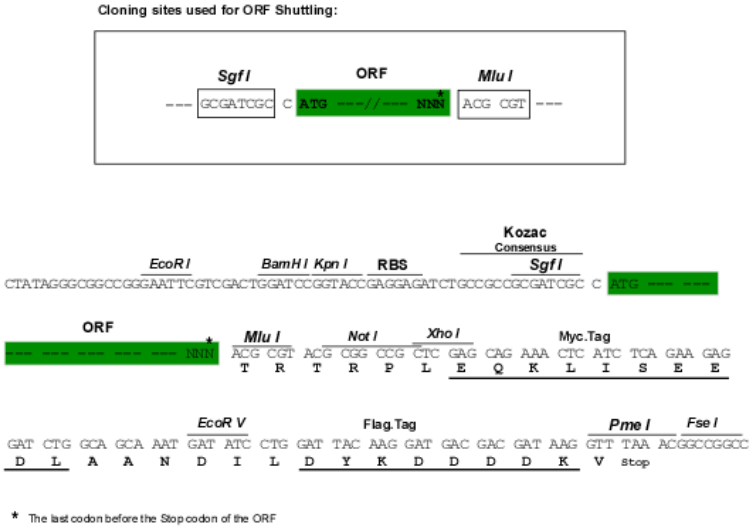

Chromatograms: https://cdn.origene.com/chromatograms/mm9026_g09.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_031195

ORF Size: 1062 bp

OTI Disclaimer: 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.

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

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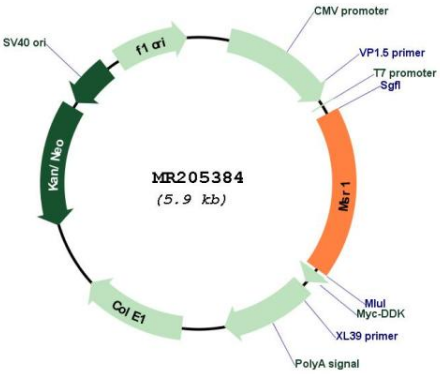
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid 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_031195.2, NP_112472.2
RefSeq Size:	3643 bp
RefSeq ORF:	1065 bp
Locus ID:	20288
Cytogenetics:	8 23.89 cM
MW:	39.2 kDa
Gene Summary:	Membrane glycoproteins implicated in the pathologic deposition of cholesterol in arterial walls during atherogenesis. Two types of receptor subunits exist. These receptors mediate the endocytosis of a diverse group of macromolecules, including modified low density lipoproteins (LDL).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR205384

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