

## Product datasheet for **SC217040**

### **MASP1 (NM\_001879) Human 3' UTR Clone**

#### **Product data:**

Product Type:	3' UTR Clones
Product Name:	MASP1 (NM_001879) Human 3' UTR Clone
Symbol:	MASP1
Synonyms:	3MC1; CRARF; CRARF1; MAP-1; MAP1; MAp44; MASP; MASP-3; MASP3; PRSS5; RaRF
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_001879
Insert Size:	2000 bp



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**Insert Sequence:** >SC217040 3'UTR clone of NM\_001879  
 The sequence shown below is from the reference sequence of NM\_001879. 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
ATCCAGAGGGTCACCGGAGTGAGGAAC TGAATTTGGCTCCTCAGCCCCAGCACCACCAGCTGTGGCAG
TCAGTAGCAGAGGACGATCCTCCGATGAAAGCAGCCATTCTCCTTTCTCCTCCCATCCCCCTCCT
TCGGCCTATCCATTACTGGGCAATAGAGCAGGTATCTTCAACCCCTTTTCACTCTCTTTAAAGAGATGG
AGCAAGAGAGTGGTCAGAACACAGGCCGAATCCAGGCTCTATCACTTACTAGTTTGCAGTGTGGCAG
GTGACTTCATCTCTCGAACTTCAGTTTCTTATAAGATGGAAATGCTATACCTTACCTACCTCGTAAA
AGTCTGATGAGGAAAAGATTAACATAAGATGCATAGCACTTAACAGAGTGCATAGCATACTGTTTT
CAATAAATGCACCTTAGCAGAAGGTCGATGTGTCTACCAGGCAGCGAAGCTCTTTACAAACCCCTGC
CTGGGTCTTAGCATTGATCAGTGACACACCTCTCCCCTCAACCTTGACCATCTCCATCTGCCCTTAAT
GCTGTATGCTTTTTTGCACCGTCAACTTGCCCAACATCAATCTTACCCTCATCCCTAAAAAAGTAA
AACAGACAAGGTTCTGAGTCTGTGGTATGTCCCTTAGCAAAATGTAAGTGAAGCATGCACTAGATGAC
AGATTGCGGGAGGGCCTGAGAGAAGCAGGGACAGGAGGGAGCCTGGGGATTGTGGTTTGGGAAGGCAGA
CACCTGGTTCTAGAAGTACTGCTGCCCTTAGCCCCCTGTATGACCCTATGCAAGTCTCCTCCCTCATC
TCAAAGGGTCTCAAAGTCTGACGATCTAAGATAACAATGAAGCCATTTTCCCCCTGATAAGATGAGGT
AAAGCCAATGTAACCAAAAGGCAAAAATTAACAATCGGTTCAAAGGAATTTGATGCAGACAAAATGCTG
CTGCTGCTGCTCCTGAAATACCCACCCCTTTCCACTACGGGTGGGTTCCCAAGGACATGGGACAGGCAA
AGTGTGAGCCAAAGGATCCTTCTTATTCCTAAGCAGAGCATCTGCTCTGGGCCCTGGCCCTTCCCT
TCTTGGGAAACTGGGCTGCATGAGGTGGGCCCTGGTAGTTTGTACCCAGGCCCTATACTCTTCCCTT
CTATGTCCACAGCTGACCCCAAGCAGCCGTTCCCGACTCCTCACCCCTGAGCCTCACCCGAACTCCC
TCATCTTGCAAGGCCATAAGTGTTTTCCAAGCAAAATGCCTCTCCCATCTCTCAGGAAGCTTCTAG
AGACTTTATGCCCTCCAGAGCTCCAAGATATAAGCCCTCCAAGGGATCAGAAGCTCCAAGTCTGTCT
TCTGTTTTATAGAAATTGATCTTCCCTGGGGACTTTAACTCTTGACCTGTATGCAGCTGTTGGAGTAA
TTCCAGGCTCTTGAAAAAAGAGGAAGATAATGGAGAATGAGAACATATATATATATATATTAAGCC
CCAGGCTGAATACTCAGGACAGCAATTCACAGCCTGCCTCTGGTTCTATAAACAAGTATTCTACCTC
TTTGTGCCCTGCTGTTTATTCTGTAAGGGGAAGGTGGCAATGGGACCCAGCTCCATCAGACACTGTCA
AGCTAGCAGAAACTCCATTTTCAATGCCAAAGAAGAACTGTAATGCTGTTTTGGAATCATCCAAGGCA
TCCAAGACACCATATCTTCCCATTCAAGCACTGCCTGGGCACACCCCAACATCCCAGGCTGTGGTGG
CTCCTGTGGGAACCTAGATGAAGAGAGTATCATTTATACCTTCTAGGAGCTCCTATTGGGAGACAT
GAAACATATGTAATTGACTACCATGTAATAGAACAACCCCTGCCAAGTGTGCTTTGGAAAGTCATGGA
GGTAAAAGAAAGACCATCTGGTATGAAGGTTTTGGGGAGGAGATCAATCAAGAAAGGCTTCCCAG
ACGCGT AAGCGGCCGCGGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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**Restriction Sites:** SgfI-MluI

**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\\_001879.6](#)

**Summary:**

This gene encodes a serine protease that functions as a component of the lectin pathway of complement activation. The complement pathway plays an essential role in the innate and adaptive immune response. The encoded protein is synthesized as a zymogen and is activated when it complexes with the pathogen recognition molecules of lectin pathway, the mannose-binding lectin and the ficolins. This protein is not directly involved in complement activation but may play a role as an amplifier of complement activation by cleaving complement C2 or by activating another complement serine protease, MASP-2. The encoded protein is also able to cleave fibrinogen and factor XIII and may be involved in coagulation. A splice variant of this gene which lacks the serine protease domain functions as an inhibitor of the complement pathway. Alternate splicing results in multiple transcript variants.[provided by RefSeq, Apr 2010]

**Locus ID:**

5648

**MW:**

74.8