**OriGene Technologies, Inc.**
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

# Product datasheet for SC215650

## MASP1 (NM_139125) Human 3' UTR Clone

### Product data:

| | |
|---|---|
| **Product Type:** | 3' UTR Clones |
| **Product Name:** | MASP1 (NM_139125) 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_139125 |
| **Insert Size:** | 1632 bp |

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**Insert Sequence:**

>SC215650 3'UTR clone of NM_139125
The sequence shown below is from the reference sequence of NM_139125. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon Red=Cloning site

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
AGTGTTGTGGAGCCCCAGGTGGAACGGTGAGCTGACTTACTTCCTCGGGGCCTGCCTCCCCTGAGCGAA
GCTACACCGCACTTCCGACAGCACACTCCACATTACTTATCAGACCATATGGAATGGAACACACTGACC
TAGCGGTGGCTTCTCCTACCGAGACAGCCCCCAGGACCCTGAGAGGCAGAGTGTGGTATAGGGAAAAGG
CTCCAGGCAGGAGACCTGTGTTCCTGAGCTTGTCCAAGTCTCTTTCCCTGTCTGGGCCTCACTCTACCG
AGTAATACAATGCAGGAGCTCAACCAAGGCCTCTGTGCCAATCCCAGCACTCCTTTCCAGGCCATGCTT
CTTACCCCAGTGGCCTTTATTCACTCCTGACCACTTATCAAACCCATCGGTCCTACTGTTGGTATAACT
GAGCTTGGACCTGACTATTAGAAAATGGTTTCTAACATTGAACTGAATGCCGCATCTGTATATTTTCCT
GCTCTGCCTTCTGGGACTAGCCTTGGCCTAATCCTTCCTCTAGGAGAAGAGCATTCAGGTTTTGGGAGA
TGGCTCATAGCCAAGCCCCTCTCTCTTAGTGTGATCCCTTGGAGCACCTTCATGCCTGGGGTTTCTCTC
CCAAAAGCTTCTTGCAGTCTAAGCCTTATCCCTTATGTTCCCCATTAAAGGAATTTCAAAAGACATGGA
GAAAGTTGGGAAGGTTTGTGCTGACTGCTGGGAGCAGAATAGCCGTGGGAGGCCCACCAAGCCCTTAAA
TTCCCATTGTCAACTCAGAACACATTTGGGCCCATATGCCACCCTGGAACACCAGCTGACACCATGGGC
GTCCACACCTGCTGCTCCAGACAAGCACAAAGCAATCTTTCAGCCTTGAAATGTATTATCTGAAAGGCT
ACCTGAAGCCCAGGCCCGAATATGGGGACTTAGTCGATTACCTGGAAAAAGAAAAGACCCACACTGTGT
CCTGCTGTGCTTTTGGGCAGGAAAATGGAAGAAAGAGTGGGGTGGGCACATTAGAAGTCACCCAAATCC
TGCCAGGCTGCCTGGCATCCCTGGGGCATGAGCTGGGCGGAGAATCCACCCCGCAGGATGTTCAGAGGG
ACCCACTCCTTCATTTTTCAGAGTCAAAGGAATCAGAGGCTCACCCATGGCAGGCAGTGAAAAGAGCCA
GGAGTCCTGGGTTCTAGTCCCTGCTCTGCCCCCAACTGGCTGTATAACCTTTGAAAAATCATTTTCTTT
GTCTGAGTCTCTGGTTCTCCGTCAGCAACAGGCTGGCATAAGGTCCCCTGCAGGTTCCTTCTAGCTGGA
GCACTCAGAGCTTCCCTGACTGCTAGCAGCCTCTCTGGCCCTCACAGGGCTGATTGTTCTCCTTCTCCC
TGGAGCTCTCTCTCCTGAAAATCTCCATCAGAGCAAGGCAGCCAGAGAAGCCCCTGAGAGGGAATGATT
GGGAAGTGTCCACTTTCTCAACCGGCTCATCAAACACACTCCTTTGTCTATGAATGGCACATGTAAATG
ATGTTATATTTTGTATCTTTTATATCATATGCTTCACCATTCTGTAAAGGGCCTCTGCATTGTTGCTCC
CATCAGGGGTCTCAAGTGGAAATAAACCCTCGTGGATAACCAACA
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG

**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_139125.4

**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 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:** 59.7