

## Product datasheet for **SC205081**

### **MASP2 (NM\_006610) Human 3' UTR Clone**

#### **Product data:**

**Product Type:** 3' UTR Clones  
**Product Name:** MASP2 (NM\_006610) Human 3' UTR Clone  
**Vector:** pMirTarget (PS100062)  
**Symbol:** MASP2  
**Synonyms:** MAP-2; MAP19; MASP-2; MASP1P1; sMAP  
**ACCN:** NM\_006610  
**Insert Size:** 392 bp  
**Insert Sequence:** >SC205081 3'UTR clone of NM\_006610

The sequence shown below is from the reference sequence of NM\_006610. The complete sequence of this clone may contain minor differences, such as SNPs.

Blue=Stop Codon Red=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
TGGATCGAGAACATAATTAGTGATTTTAACTTGGGTGTCTGCAGTCAAGGATTCTTCATTTTTAGAAA
TGCTGTGAAGACCTTGGCAGCGACGTGGCTCGAGAAGCATTTCATTACTGTGGACATGGCAGTTGT
TGCTCCACCCAAAAAACAGACTCCAGGTGAGGCTGCTGTCATTTCTCCACTTGCCAGTTTAATTCCAG
CCTTACCATTGACTCAAGGGGACATAAACACGAGAGTGACAGTCATCTTTGCCACCCAGTGTAAATG
TCACTGCTCAAATTACATTTTATTACCTTAAAAAGCCAGTCTCTTTTCACTGGCTGTTGGCATTCT
GTAAACTGCCTGTCCATGCTCTTTGTTTTAACTTGTCTTATTGA
ACGCGTAAGCGGCCGCGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
```

**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\\_006610.4](#)



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**Summary:**

This gene encodes a member of the peptidase S1 family of serine proteases. The encoded preproprotein is proteolytically processed to generate A and B chains that heterodimerize to form the mature protease. This protease cleaves complement components C2 and C4 in order to generate C3 convertase in the lectin pathway of the complement system. The encoded protease also plays a role in the coagulation cascade through cleavage of prothrombin to form thrombin. Myocardial infarction and acute stroke patients exhibit reduced serum concentrations of the encoded protein. Alternative splicing results in multiple transcript variants, at least one of which encodes an isoform that is proteolytically processed. [provided by RefSeq, Feb 2016]

**Locus ID:**

10747

**MW:**

15