

Product datasheet for **RN213700**

Masp2 (NM_172043) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Masp2 (NM_172043) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Masp2
Synonyms:	MAp19; MASP-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN213700 representing NM_172043
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAGGCTACTGATCGTCTGGGTCTGCTTTGGAGTTTGGTGGCCACACTTTTGGCTCCAAGTGGCCTG
 AGCTGTATTCGGGCGCCTGGTGTCCCCTGGCTTCCCAGAGAAGTATGGCAACCATCAGGATCGATCCTG
 GACGCTGACTGCACCCCCTGGCTTCCGCTGCGCCTCTACTTCACCCACTTCAACCTGGAACCTCTTTAC
 CGCTGCGAGTATGACTTTGTCAAGTTGACCTCAGGGACCAAGGTGCTAGCCACGCTGTGTGGCAGGAGA
 GTACAGATACTGAGCGGGCACCTGGCAATGACACCTTCTACTCACTGGTCCCAGCCTAAAGGTACCTT
 CCACTCCGACTACTCCAATGAGAAGCCATTACAGGATTTGAGGCCTTCTATGCAGCGGAGGATGTGGAT
 GAATGCAGAACATCCCTGGGAGACTCAGTCCCTTGTGACCATTATTGCCACAACCTACCTGGGCGGCTACT
 ACTGCTCCTGCCGAGTGGGTACATTCTGCACCAGAACAAGCATACCTGCTCAGCCCTTTGTTCAAGCCA
 GGTGTTCACTGGGAGGTCTGGCTTCTCAGTAGCCCTGAGTACCCACAGCCATACCCCAAACCTCCAGC
 TGGCCTACAACATCCGCTGGAGGAAGGCTTCAATATCACCTGGACTTCGTGGAGTCCCTTTGATGTGG
 AGATGCACCCTGAAGCCAGTGGCCCTACGACTCCCTCAAGATCAAACAGACAAGAGGGAATACGGCCC
 GTTTTGTGGGAAGACGCTGCCCCCAAGGATTGAACTGACAGCAACAAGGTGACCATTACCTTTACCACC
 GACGAGTCAGGGAACACACAGGCTGGAAGATACACTACACAAGCACAGCACAGCCCTGCCCTGATCCAA
 CGGCGCCACCTAATGGTCACATTTACCTGTGCAAGCCACGTATGCTCTGAAGGACAGCTTTTCTGTCTT
 CTGCAAGACTGGCTTCGAGCTTCTGCAAGTTCCTGCCCCTGAAGTCACTGCTGTCTGTCTGAGAAA
 GATGGATCTTGGGACCGCCGATACCAGAGTGCAGCATTATTGACTGTGGCCCTCCCGATGACCTACCCA
 ATGGCCACGTGGACTATATCACAGGCCCTGAAGTGACCACCTACAAGCTGTGATTCACTACAGCTGTGA
 AGAGACTTCTACACAATGAGCAGCAATGGTAAATATGTGTGTGAGGCTGATGGATTCTGGACGAGCTCC
 AAAGGAGAAAAATCCCTCCCGTTTGAAGCCTGTCTGTGGACTGTCCACACACACTTCAGGAGGCCGTA
 TAATTGGAGGACAGCCTGCAAAGCCTGGTACTTTCCTTGGCAAGTCTTGTACTGGGTGAAACTACAGC
 AGCAGGTGCTCTTATACATGACGACTGGGTCTAACAGCGGCTCATGCTGTATATGGGAAAAACAGAGGCG
 ATGTCTCCCTGGACATCCGCATGGGCATCCTCAAAGGCTCTCCCTCATTACACTCAAGCCTGGCCAG
 AGGCTGTCTTTATCCATGAAGGCTACACTCACGGAGCTGGTTTTGACAATGATATAGCACTGATTAACCT
 CAAGAACAAGTACAATCAACAGAAACATCATGCCGATTTGTCTACCAAGAAAAGAAGTGCATCCTTA
 ATGAAAACAGACTTCGTTGGAAGTGTGGCTGGCTGGGGTTAACCAGAAAGGGTTTCTTGTAGAAACC
 TAATGTTTGTGGACATACCAATTGTTGACCACCAAAAATGTGCTACTGCGTATACAAAGCAGCCCTACCC
 AGGAGCAAAAAGTACTGTTAACATGCTCTGTGCTGGCCTAGACGCGGTTGCAAGGACAGCTGCAGAGGT
 GACAGCGGAGGGGATTAGTGTCTTAGACAATGAAACACAGAGATGGTTTGTGGGAGGAATAGTTTCTT
 GGGGTTCTATAACTGTGGGGGTGAGAACAGTATGGGTCTACACGAAAGTCACGAACTATATCCCTG
 GATTGAGAACATAATAAATAATTTCT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1649_c03.zip

Restriction Sites: SgfI-MluI

ACCN: NM_172043

Insert Size: 2058 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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:	<ol style="list-style-type: none">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:	<u>NM_172043.1</u> , <u>NP_742040.1</u>
RefSeq Size:	2095 bp
RefSeq ORF:	2058 bp
Locus ID:	64459
UniProt ID:	<u>Q9JJS8</u>
Cytogenetics:	5q36
Gene Summary:	member of the MBL/MASPs/Map19 complex of the mannan binding lectin pathway of complement activation; catalyzes the cleavage of complement component C4 [RGD, Feb 2006]