

Product datasheet for **MC204276**

Masp2 (NM_001003893) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Masp2 (NM_001003893) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Masp2
Synonyms:	MAp19; MASP-2
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC013893
 CCACGCGTCGCACACCATGAGGCTACTCATCTTCTGGGTCTGCTGTGGAGTTTGGTGGCCACACTTCTG
 GGTTCAAAGTGGCCTGAACCTGTATTCGGGCGCCTGGTGTCCCCTGGCTCCCAGAGAAGTATGCTGACC
 ATCAAGATCGATCCTGGACACTGACTGCACCCCTGGCTACCGCTGCGCCTCTACTTCACCCACTTTGA
 CCTGGAACCTCTTACCCTGCGAGTATGACTTTGTCAAGTTGAGCTCAGGGACCAAGGTGCTGGCCACA
 CTGTGTGGGCAGGAGAGTACAGACACTGAGCAGGCACCTGGCAATGACACCTTCTACTACTGGTCCCA
 GCCTAAAGGTACCTTCCACTCCGACTACTCCAATGAGAAGCCGTTACAGGGTTTGAGGCCTTCTATGC
 AGCGGAGGATGTGGATGAATGCAGAGTGTCTCTGGGAGACTCAGTCCCTTGTGACCATTATTGCCACAAC
 TACTTGGGCGGCTACTATTGCTCCTGCAGAGCGGGCTACGTTCTCCACCAGAACAAGCACACGTGCTCAG
 CCCTTTGTTTACAGGCCAGGTGTTACAGGAAGATCTGGGTATCTCAGTAGCCCTGAGTACCACAGCCATA
 CCCCAAGCTCTCCAGCTGCACCTACAGCATCCGCCTGGAGGACGGCTTCACTGTCATCCTGGACTTCGTG
 GAGTCTTCGATGTGGAGACGCACCTGAAGCCAGTGGCCCTATGACTCCCTCAAGATTCAAACAGACA
 AGGGGGAACACGGCCATTTTGTGGGAAGACGCTGCCTCCAGGATTGAAACTGACAGCCACAAGGTGAC
 CATCACCTTTGCCACTGACGAGTCGGGGAACCACACAGGCTGGAAGATACACTACACAAGCACAGCACGG
 CCCTGCCCTGATCCAACGGCCACCTAATGGCAGCATTTACCTGTGCAAGCCATATATGCTCCTGAAGG
 ACAGGTTTTCTGTCTTCTGCAAGACAGGCTTCGAGCTTCTGCAAGGTTCTGTCCCCTGAAATCATTAC
 TGCTGTCTGTGAGAAAGATGGATCTTGGGACCGCCGATGCCAGAGTGCAGCATTATTGATTGTGGCCCT
 CCTGATGACCTACCCAATGGCCATGTGGACTATATCACAGGCCCTGAAGTGACTACCTACAAAGCTGTGA
 TTCAGTACAGCTGTGAAGAGACTTTCTACACAATGAGCAGCAATGGTAAATATGTGTGTGAGGCTGATGG
 ATTCTGGACGAGCTCAAAGGAGAAAACTCCCCCGTTTGTGAGCCTGTTTGTGGGCTGTCCACACAC
 ACTATAGGAGGACGCATAGTTGGAGGGCAGCCTGCAAAGCCTGGTACTTTCCTTGGCAAGTCTTGTTC
 TGGGTCAAACACAGCAGCAGCAGGTGCCTTATACATGACAATTGGGTCTAACAGCCGCTCATGCTGT
 ATATGAGAAAAGAATGGCAGCGTCTCCCTGAACATCCGAATGGGCATCCTCAAAGGCTCCTCACAT
 TACACTCAAGCCTGGCCGAGGAAATCTTTATACATGAAGGCTACACTCAGGTTGCTGGTTTTGACAATG
 ATATAGCATTGATTAAACTCAAGAACAAGTACAATCAACGGAAGCATCATGCCTGTTTGCCTACCGCG
 AAAAGAAGCTGCATCCTTAATGAGAACAGACTTCACTGGAAGTGTGGTGGCTGGGGTTAACCCAGAAG
 GGGCTTCTTGCTAGAAACCTAATGTTTGTGGACATACCAATTGCTGACCACAAAAATGTACCGCGTGT
 ATGAAAAGCTCTATCCAGGAGTAAGAGTAAGCGCTAACATGCTCTGTGCTGGCTTAGAGACTGGTGGCAA
 GGACAGCTGCAGAGGTGACAGTGGGGGGCATTAGTGTCTAGATAATGAGACACAGCGATGGTTTGTG
 GGAGGAATAGTTTCTGGGGTCCATTAATTGTGGGGCGCAGACCAGTATGGGGTACACAAAAGTCA
 TCAACTATATCCCTGGATTGAGAACATAATAAGTAATTTCTAATTTGCATCGTCCAATCATTGTTCCCT
 ATATCGCCAAGTACCTGGGAAGCTTAGTAACAAACCTAAGAATGACAGCCTACCCAAAAATCAGAGCAGG
 TGAGATTGTTACAGGTCCAAACACTTGCCAATATCAGCTTTGATTTGTGTTTAAACAGTGCTTGGCCAACC
 CCCAACACAGAAAAACAAGTTGATTTGATTCCCTACAATCTACTTATTTTATACTGGCTGTTTCCATT
 TCTGGCCAACAAAGGGCTTGTGTGTCTAGTGTGTAGATTTGGTCTTAATGAGCTCAGAAAGTGCTCTTA
 CTTTCTGAGTAACTTCTGAGTGGTTCCAGAATACCTTTTGGAAAGGTAAGCGGAAAGCAGGTGTGTGACCT
 TCACATTAGATCAGCTATTAATTAACACCAAGTCCATTCCAGAATATTGGGATATAGGCATGTTCTACC
 AGATTCACCAAATGTGAGATAAAAAGAACACGAAACAGCATTTTACCCTTTACAAGGGCAATTTAGCAA
 ATCATTCCAAAAACCTTAACAGGTGTTTCACTATACCCAGCCACTTTTCTTAGGTGAGCGTTGGGCTCA
 GGAAGTCAACCGTAACTGTACAAGGTACAGTCATTTGCTTATGTATCAAAAACAGTAAGTTATCCTGAA
 ATAAACTGCTCTTCTGCTAAGATGCTGACCTTAAAGGTGATGTTTGAATTTAACTGGCTCTTCCAACAAG
 GCAAGACAGGGTGCCTCAAGATGGGGAATAGCTGGCCTACAACCTATTTACACCAATTCTGGGATTA
 AGCATGGGCCACCACACCCTGGAGACTCAAATTTTAAAGGATGAAAATGCTATATTGCATCTTCCCA
 CATAAGTCACCTAACTTTTCTAGCATTGTGATGATAGAAATTTTTTTTCTTCCAGTAAGACTCCAGA
 CACTAACTGTTGGTGGCAAGAAAACCTTTTATTCACTGTGAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_001003893

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:	BC013893 , AAH13893
RefSeq Size:	3070 bp
RefSeq ORF:	2058 bp
Locus ID:	17175
UniProt ID:	Q91WP0
Cytogenetics:	4 E2
Gene Summary:	<p>Serum protease that plays an important role in the activation of the complement system via mannose-binding lectin. After activation by auto-catalytic cleavage it cleaves C2 and C4, leading to their activation and to the formation of C3 convertase (By similarity). [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) is the longer transcript and it encodes the longer isoform (1).</p>