

MASP2 (NM_006610) Human cDNA Clone

Specifications

SKU	Description
SC124235	Homo sapiens mannan-binding lectin serine peptidase 2 (MASP2), transcript variant 1 as transfection-ready DNA NM_006610.2, 10ug

OriGene Data

Vector: [pCMV6-XL4](#) **Insert Size:** 2500 **Restriction Site:** NotI-NotI

Sequence Data:

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).

Product Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials. Every lot of primer is tested to provide clean sequencing of OriGene TrueClones.

Reference Data

RefSeq: [NM_006610.2](#), [NP_006601](#) **RefSeq Size:** 2460 **RefSeq ORF:** 2061

Synonyms : MAP19; MASP-2; MASP1P1; sMAP

LocusID: 10747 **Cytogenetic:** 1p36.3 **Domains:** CCP, CUB, Tryp_SpC, EGF_CA, EGF

Summary: The Ra-reactive factor (RARF) is a complement-dependent bactericidal factor that binds to the Ra and R2 polysaccharides expressed by certain enterobacteria. Alternate splicing of this gene results in two transcript variants encoding two RARF components that are involved in the mannan-binding lectin pathway of complement activation. The longer isoform is cleaved into two chains which form a heterodimer linked by a disulfide bond. The encoded proteins are members of the trypsin family of peptidases. [provided by RefSeq, Jul 2008].

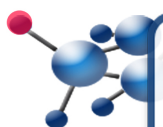
Transcript Variant: This variant (1) is the longer transcript and encodes isoform 1 which activates complement component 4.

[5' Read Nucleotide Sequence](#)

[3' Read Nucleotide Sequence](#)

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>OriGene 5' read for NM_006610 unedited
GGGGGNNGGGGGCCNNNNNNNNNNNGCTTGTTCACATTTGTATACGACTCACTAT
AGGGCGCCGCGAAATCGGCACCAGGCCAGGCCAGCTGGACGGGCACACCATGAGGCTGCT
GACCCCTCCTGGGCTTCTGTGTGGCTCGGTGGCCACCCCTTGGGCCGGAAGTGGCCCTGA
ACCTGTGTTGCGGCGCCTGGCATCCCCGGCTTCCAGGGGAGTATGCCAATGACCAGGA
GCGGCGCTGGACCCCTGACTGCACCCCCGGCTACCGCCTGCGCCTCTACTTCAACCACTT
CGACCTGGAGCTTCCCACTTCCGAGTACGACTTCGTCGAAGCTGAGCTCGGGGGCCAA
GGTGTGTCGCCACCGTGTGCGGGCAGGAGACACAGACACGGAGCGGGCCCTGGCAAGGA
CACTTTCTACTCGTGGGCTCCAGCCTGGACATTACCTTCCGCTCCGGCTACTCCAACGA
GAAGCCGTTACAGGGGTTCCGAGGCTTCTATGACGCCGAGGACATTGACGAGTGCCAGGT
GGCCCCGGGAGAGGCGCCCACTTGGCACCACCACTGCCACAACCCTGNGCGGTTTCTA
CTGCTCCTGCGCGCAGGCTACGTCCTGCACCGTAACAAGCGCACCTGCTCAGCCCTGTG
CTCCGGCCAGGCTTCCACCCAGAGGCTCGGGGAGCTCAGCAGCCCTGAATACCCACGGCC
GTATCCAAACTCTNCAGTTGCACCTTACAGCATCAGCCGGAGGAAGGGTTCAGTGTCTAT
TCTGGACTTTGTGGATCCTTCGATGTGGAGACACACCTGAAACCCCTGTGTCCCTACGAC
TTNTCTCAGATCAACACAGACAGAGAAGCATGCCCATTTCTGNGGAAGACATTGCCCA
CG
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>OriGene 3' genomic read for NM_006610 unedited
ANCATGGNACAGGNNCAGTTTACAGNAAATGCCAACAGCCAGTATGAAAAGAGACTGGCT
TTTTAAGGTAATGAAATGTAATTTGAGCAGTGACATTACACTGGGTGGGCAAAGGTGACT
GTCACCTCTCGTGGTTTATGTCCCTTGAGTCAATGGGTAAGGCTGGAATTAACCTGGCAA
GTGGAGAAATGACAGCAGCCTCACCTGGAGTCTGTFTTTTTGGGTGGAGCAACAACTGCC
ATGTCACAGTAATGATGAATGCTTCTCGAGCCACGTCGCTGCCAAGGCTTTCACAGGCA
TTTCTAAAAATGAAGAATCCTTGACTGCAGACACGCAAGTTAAAAATCACTAATTATGTT
CTCGATCCAGGGAATATAGTTAATAACTTTTGTGTAGACTCCATACGACTGCTTCCCC
ACAATTCATGGAACCCAGGACACTATTCCTCCCAAAACCACCTCTCTGTTTCACTATC
TAGAAACACCAGTGCCCTCCGCTGTACCTCTGCAGCTGTCCTTGCCCCACTTTCTAA
GCCAGCACAAGCATGTAGCAGTTACACTTCCCTTGGATAGGGTGGCTTTTCATATGC
AGCAGTACATTTTTGATGGTCAACAATCGGTATGTCGACATACATTAGATTTCAGCAAG
GAAACCCTTTGGGTTAATCCCATCCAGATGCAGTCCCATGTCTCTGTCTCCTCATAAA
AGATTACGTTCTTTTCTGGCAGACAAAAGCGGTGATGTTGCTATTGATTACAACCTTG
GTATTCATTTTACCAGGGCTATGTCCTTTGCCAAAGCCGCATCCAG
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