

Product datasheet for SC111208

MMD (NM_012329) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MMD (NM_012329) Human Untagged Clone
Tag:	Tag Free
Symbol:	MMD
Synonyms:	MMA; MMD1; PAQR11
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC111208 sequence for NM_012329 edited (data generated by NextGen Sequencing)

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ATGCGGTTCAAGAATCGATTCCAGCGGTTTCATGAACCATCGAGCTCCAGCCAATGGCCGC
TACAAGCCAACCTTGCTATGAACATGCTGCTAACTGTTACACACACGCATTCCCTCATTGTT
CCGGCCATCGTGGGAGTGCCTCCTCCATCGGCTGTCTGATGACTGCTGGGAAAAGATA
ACAGCATGGATTTATGGAATGGGACTCTGTGCCCTCTTCATCGTTTCTACAGTATTTAC
ATTGTATCATGGAAAAGAGCCACTTAAGGACAGTGGAGCATTGTTTTACATGTGTGAT
AGAATGGTTATCTATTTCTTCATTGCTGCTTCTTATGCTCCATGGTTAAATCTTCGTGAA
CTTGGACCCCTGGCATCTCATATGCGTTGGTTTATCTGGCTCATGGCAGCTGGAGGAACC
ATTTATGTATTTCTCTACCATGAAAAATAAGGTGGTTGAACTCTTTTTCTATCTCACA
ATGGGATTCTCTCCAGCCTTGGTGGTGACATCAATGAACAACACCGATGGACTTCAGGAA
CTTGCCTGTGGGGCTTAATTTATTGCTTGGGAGTTGTGTTCTTCAAGAGTGATGGCATC
ATTCCATTTGCCACGCCATCTGGCACCTGTTTGTGGCCACGGCAGCTGCAGTGCATTAC
TACGCCATTTGAAAATACCTTTACCGAAGTCTACGGACTTTATGCGGCATTTATGA

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Clone variation with respect to NM_012329.2



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_012329 unedited
 NGGTTCCANGATATTTGTNAATACGCACTTCACTATAGGGCGGCNCGCAATTCGGCAGC
 AGGAAGCGGCCTCCCTCCCGCCCCAGCCGCGCCGGTCTGGCCCCAGCCCTGTCCCAGCC
 CCGGCCTGGCCACTCCGACCCTACCCGGCCGAAGGGTCCGCTGGACACGCAGGCGGCC
 TCCGGAGCAGCCCAAGCCATGAGGGCCGCGCCCGCCGCGCGTGTGACGAGACGGA
 GCTCCTGGCCCCGAGGAGGAGCAGAGGATCAATGCGGTTCAAGAATCGATTCAGCGGN
 TTCATGAACCATCGAGCTCCAGCCAATGGCCGCTACAAGCCAATTGCTATGAACATGCT
 GCTAACTGTTACACACACGCATTCTCATTGTTCCGGCCATCGTGGGCAGTGCCCTCTC
 CATCGGCTGTCTGATGACTGCTGGGAAAAGATAACAGCATGGATTATGGAATGGGACTC
 TGTGCCCTCTTACATCGTTTCTACAGTATTTACATTGTATCATGGAAAAAGGCCACTTA
 AGGACAGTGGAGCATTGTTTTACATGTGTGATAGAATGGTTATCTATTTCTTATTGCT
 GCTTCTTATGCTCCATGGTTAAATCTTCGTGAACCTGGACCCCTGGCATCTCATATGCCG
 TTGTTTTATCTGGCTCATGGCAGCTGGAGGAACCATTTATGTATTTCTCTACCATGAAAA
 ATATAAGGTGGTTGAACCTTTTTCTATCTCACAATGGGATTCTCTCCAGCCTTGGTGGT
 GACATCAATGAACCACACCGATGGACTTCANGAACTGCCTGTGGGGCCTAATTTATTG
 CTGGGGAGTTGTGTTCTCAAGATGATGGCATCATTCCATTTGCCACGCCATCTGGCACC
 TTGTTGTGGCCACCGAACTGCAGTGC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_012329 unedited
 GAACCGCGGGCCCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
 TTTTTTTTTTTTTTTTTTACAAATCAAATAACAACCTTTTTTGGAGTATACAGCACAAT
 TTTTACATACATATTAGGGTTTTGACAGGGTTACTTTTGAGTAAACCTTAAATGAATCC
 ACAAGTTAATTTTTTAAAAATAAAATTTCCCCAGTAAAACAACAGGCTTCCAAATGTTT
 AAAATCATGCAAAATAGGAGGGTTTTGGTTGGGGTTATCACTGGGTACCTTGCCATTTAA
 CTCGCCAGCAAAAACCACTTCTTCTGGTCTCATTCCCATATAATTATCAAAAATCAGAG
 AGTTCTAAACATTTACAAAATAAACCTTTTTTAAAGCCACATCAGTAAAAAATTTCAATT
 AATAAGGGTTTCATCAAAACAAAATTCCTACTGATCATTTGATCAGCCCATTAAGGAA
 ACAGGCAATTTACGCCCCGATCTAAAGGCAAGCCTTTTTTTTTTTTTTAAACCCCAACA
 AGAGAGATTAATCAACAAAGCACTTTTAAACAATGTTAATCTTAATATAAGACTGG
 GAGAAAAGTAAAAATAATCCATAAATATCCCTCCCCTGAGCCAGGATATAACTCATGGAC
 TACAGAAACATGAGTTTTTACCTGTCAAAAAATGGTTAAATTTTTTTTTTAAAGAAAAA
 AAAAAAACACATATTTTTGAAAAAATGCCAAGGGAAGGCCAAAAATGGGAATTTTTGGC
 CTTTAGTTCCACCAATTTAAAAAATTTCAAACGGACAATTAAGCTTAGGGACATTGACT
 TAACCTTTGGGCCCAACAAGGCAAAAACCGGCCACTGAACAAAAAGGCTTTAGGGATTTT
 ACACAAGGCCTC

Restriction Sites:

NotI-NotI

ACCN:

NM_012329

Insert Size:

3140 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:

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: [NM_012329.2](#), [NP_036461.2](#)

RefSeq Size: 2723 bp

RefSeq ORF: 717 bp

Locus ID: 23531

UniProt ID: [Q15546](#)

Cytogenetics: 17q22

Domains: UPF0073

Protein Families: Druggable Genome, Ion Channels: Other, Transmembrane

Gene Summary: This protein is expressed by in vitro differentiated macrophages but not freshly isolated monocytes. Although sequence analysis identifies seven potential transmembrane domains, this protein has little homology to G-protein receptors and it has not been positively identified as a receptor. A suggested alternative function is that of an ion channel protein in maturing macrophages. [provided by RefSeq, Jul 2008]