

Product datasheet for **RG205241**

MMD (NM_012329) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MMD (NM_012329) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	MMD
Synonyms:	MMA; MMD1; PAQR11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG205241 representing NM_012329 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCGGTTCAAGAATCGATTCCAGCGGTTTCATGAACCATCGAGCTCCAGCCAATGGCCGCTACAAGCCAA
CTTGCTATGAACATGCTGCTAACTGTTACACACACGCATTCTCATTGTTCCGGCCATCGTGGGCAGTGC
CCTCCTCCATCGGCTGTCTGATGACTGCTGGGAAAAGATAACAGCATGGATTTATGGAATGGGACTCTGT
GCCCTCTTCATCGTTTACAGTATTTACATTGTATCATGGAAAAGAGCCACTTAAGGACAGTGGAGC
ATTGTTTTACATGTGTGATAGAATGGTTATCTATTTCTTCATTGCTGCTCTTATGCTCCATGGTTAAA
TCTTCGTGAACCTGGACCCCTGGCATCTCATATGCGTTGGTTTATCTGGCTCATGGCAGCTGGAGGAACC
ATTTATGTATTTCTTACCATGAAAAATAAGGTGGTTGAACTCTTTTTCTATCTCACAATGGGATTCT
CTCCAGCCTTGGTGGTGACATCAATGAACAACCCGATGGACTTCAGGAACCTGGCTGTGGGGGCTTAAT
TTATTGCTTGGGAGTTGTGTTCTTCAAGAGTGATGGCATCATTCCATTTGCCACGCCATCTGGCACCTG
TTTGTGGCCACGGCAGCTGCAGTGCATTACTACGCCATTTGAAATACCTTTACCGAAGTCTACGGACT
TTATGCGGCATTTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG205241 representing NM_012329
 Red=Cloning site Green=Tags(s)

MRFKNRFQRFMNHRA PANGRYKPTCYEHAANCYTHAFLIVPAIVGSALLHRLSDDCWEKITAWIYGMGLC
 ALFIVSTVFHIVSWKKS LRTVEHCFHMC DRMVIYFFIAASYAPWLNLR ELGPLASHMRWF IWLMAAGGT
 IYVFLYHEKYKVV E LFFYLTMGF SPALVVTSMNNTDGLQELACGGLIYCLGVVFFKSDGIIPFAHAIWHL
 FVATAAAVHYA IWKYL YRSPTDFMRHL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_012329

ORF Size: 714 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_012329.3](#)

RefSeq Size: 2723 bp

RefSeq ORF: 717 bp

Locus ID: 23531

UniProt ID: [Q15546](#)

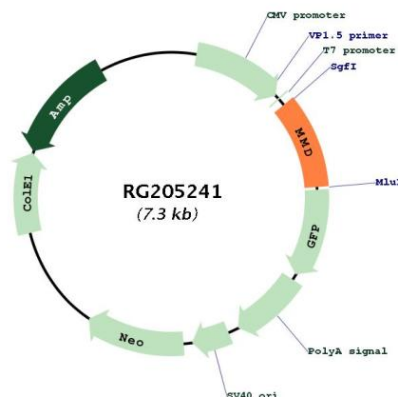
Cytogenetics: 17q22

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]

Product images:



Circular map for RG205241