

## Product datasheet for **SC307689**

### MMD2 (NM\_198403) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	MMD2 (NM_198403) Human Untagged Clone
Tag:	Tag Free
Symbol:	MMD2
Synonyms:	PAQR10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC307689 representing NM_198403. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGTTCCGCCCGGCTGCTGGATTTCCAGAAGACGAAATACGCGAGGTTTCATGAACCACCGAGTCCCT
GCCACAAAGAGGTACCAGCCACAGAGTATGAACATGCGGCCAACTGTGCCACCCATGCTTTCTGGATC
ATCCCCAGCATCTGGGCAGCTCCAACCTCTACTTCTGTGCGACGATGACTGGGAGACCATCTCTGCC
TGGATCTACGGCCTCGGCCTCTGCGCCCTTTCGTGGTGTCCACTGTGTTTCACACCATCTCTGGAAG
AAGAGCCACCTCAGGATGGTGAACACTGTCTACACATGTTGACCGGATGGTCATCTATTTCTTCATA
GCGGCTTCTACGCACCCTGGCTGAACCTTCGGGAGCTGGGCCCTGGGCTCCACATGCGCTGGCTG
GTCTGGATTATGGCTTCGGTGGGCACCATCTATGTCTTCTTCCATGAGCGGTACAAGCTTGTGGAG
CTTCTCTGCTACGTGTAATGGCTTCTCCCCGCCCTGGTCATCCTCTCCATGCCAACACCGAGGGC
ATCTGGGAGCTGGTGACCGGAGGGGTCTTACTGCTGGGCATGGTCTTCTTCAAGAGTGACGGGAGG
ATCCCCTTTGCCACGCCATCTGGCATCTTTGTAGCATTGGTGTGGTACCCACTACTATGCCATC
TGGAGTACCTCTATCTGCCAGCACCTGCAGACCAAGGTGTCCAAATGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	Sgfl-Mlul
Plasmid Map:	<input type="checkbox"/>
ACCN:	NM_198403
Insert Size:	741 bp



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<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_198403.3</a>
<b>RefSeq Size:</b>	2362 bp
<b>RefSeq ORF:</b>	741 bp
<b>Locus ID:</b>	221938
<b>UniProt ID:</b>	<a href="#">Q8IY49</a>
<b>Cytogenetics:</b>	7p22.1
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>MW:</b>	28.8 kDa
<b>Gene Summary:</b>	<p>This gene encodes a member of the PAQR (progesterone and adipoQ receptor) family. Members of this family are evolutionarily conserved with significant sequence identity to bacterial hemolysin-like proteins and are defined by a set of seven transmembrane domains. The protein encoded by this gene localizes to the Golgi apparatus to modulate Ras signaling. Alternative splicing results in multiple transcript variants and protein isoforms. [provided by RefSeq, Jun 2012]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice site in the coding region compared to variant 1. It encodes isoform 2 which is shorter than isoform 1.</p>