

Product datasheet for RC216026

MMD2 (NM_001100600) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MMD2 (NM_001100600) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	MMD2
Synonyms:	PAQR10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC216026 representing NM_001100600 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGTTGCCCCCGGCTGCTGGATTTCCAGAAGACGAAATACGCGAGGTTTCATGAACACCGAGTCCCTG
 CCCACAAGAGGTACCAGCCACAGAGTATGAACATGCGGCCAACTGTGCCACCATGCTTCTGGATCAT
 CCCCAGCATCCTGGGCAGCTCAACCTCTACTTCTGTCGGACGATGACTGGGAGACCATCTCTGCCTGG
 ATCTACGGCCTCGGCCTCTGCGGCCTCTCGTGGTGTCCACTGTGTTTCACACCATCTCCTGGAAGAAGA
 GCCATCTCAGGATGTTGGAACACTGTCTACACATGTTGACCGGATGGTCATCTATTTCTTCATAGCGGC
 TTCTACGCACCCCTGGCTGAACCTTCGGGAGCTGGGCCCTGGGCCTCCACATGCGCTGGCTGGTCTGG
 ATTATGGCTTCCGTGGGCACCATCTATGTCTTCTTCTTCATGAGCGAACAGGGAGCTGTGTGCAGTTTC
 TTCGTGGGGAGGCATGTCTAAGGCCGGCACGGCTTGTCTTCTGCCAGGTACAAGCTTGTGGAGCTTCT
 CTGCTACGTGCTAATGGGCTTCTTCCCCGCCCTGGTCATCCTCTCCATGCCCAACACCGAGGGCATCTGG
 GAGCTGGTGACCGGAGGGGTCTTCTACTGCCTGGGCATGGTCTTCTTCAAGAGTGACGGGAGGATCCCT
 TTGCCACGCCATCTGGCATCTTTGTAGCATTTGGTGTCTGGTACCCACTACTATGCCATCTGGAGGTA
 CCTCTATCTGCCAGCACCTGCAGACCAAGGTGTCCAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >RC216026 representing NM_001100600
 Red=Cloning site Green=Tags(s)

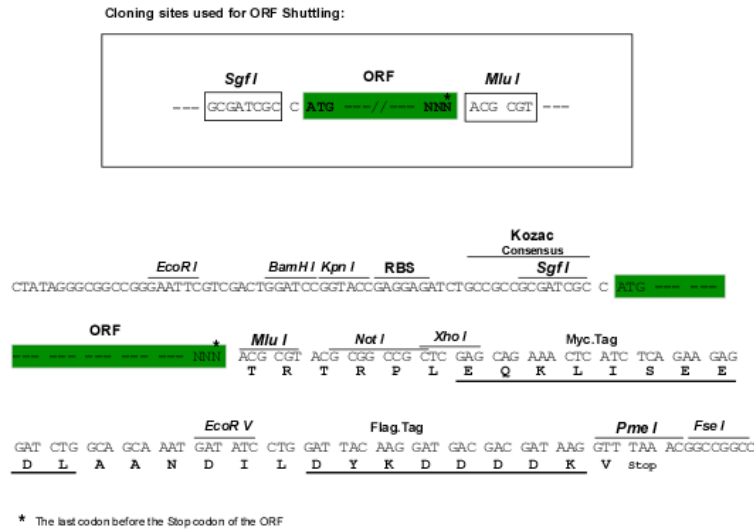
MFAPRLLDQKTKYARFMNHRVPAHKRYQPTHEYHAANCATHAFWIIPSILGSSNLYFLSDDDWETISAW
 IYGLGLCGLFVVSTVFHTISWKKSHLRMLEHCLHMFDRMVIYFFIAASYAPWLNLRGPWASHMRWLWV
 IMASVGTIYVFFHERTGSCVQFLRGEACPKAGTACLPARYKLVLLCYVMGFFPALVILSMPNTEGIW
 ELVTGGVFYCLGMVFFKSDGRIPFAHAIWHLFVAFGAGTHYYAIWRYLYLPSTLQTKVSK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mg4816_d10.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001100600

ORF Size: 810 bp

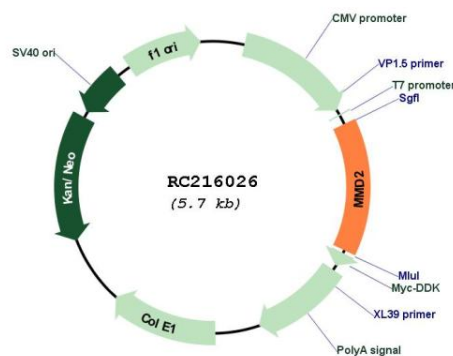
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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:	<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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001100600.1, NP_001094070.1</u>
RefSeq Size:	2434 bp
RefSeq ORF:	813 bp
Locus ID:	221938
UniProt ID:	<u>Q8IY49</u>
Cytogenetics:	7p22.1
Protein Families:	Druggable Genome, Transmembrane
MW:	31.1 kDa
Gene Summary:	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]

Product images:



Circular map for RC216026