

## Product datasheet for MR205241

### P2ry12 (NM\_027571) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** P2ry12 (NM\_027571) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** P2ry12  
**Synonyms:** 2900079B22Rik; 4921504D23Rik; P2Y12  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR205241 representing NM\_027571  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGATGTGCCTGGTGTCAACACCACCTCAGCCAATACCACCTTCTCCCCTGGGACCAGCACCCCTGTGCG  
 TCAGAGACTACAAGATCACCCAGGTTCTTCCCATTGCTGTACACCGTCCTGTTCTTTGCTGGGCTCAT  
 CACGAACAGCTTGCCAATGAGGATTTCTTTCCAGATCCGCAGTAAATCCAACCTTCATCATTTTTCTTAAG  
 AACACGGTCATCTCTGATCTACTAATGATTCTAACTTTTCCATTTAAAATTCTTAGTGATGCTAAACTGG  
 GAGCCGGGCTCTGAGAACCTTGGTGTGCAAGTTACTTCAGTCACATTTATTTTACAATGTATATCAG  
 TATATCGTTCCTGGGTTGATAACCATTGACCGCTACCTGAAGACCACCGCCATTTAAAACGTCCAGC  
 CCCAGCAATCTCTGGGTGCAAAGATTCTTTCTGTTGTCATCTGGGCCTTCATGTTCTTAATTTCACTGC  
 CTAACATGATTCTCACCAACAGGAGGCCAAAAGATAAGGACGTAACAAAATGTTCTTTCTTAAAGTCAGA  
 GTTTGGTCTAGTTTGGCACGAAATAGTCAATTACATCTGCCAAGTCATTTCTGGATTAATTTTTAATT  
 GTCATCGTTTGTATAGCCTCATTACCAAAGAAGTCTATCGGTCTTATGTGACAACAAGGGGTTACGCCA  
 AAGTTCCCAAGAAAAGGTAACCGTCAAGGTTTTCATCATCATTGCTGTATTCTTTATTTGCTTTGTTCC  
 CTTCCACTTTGCACGGATTCCCTACACCCTGAGCCAACTCGGGCGTCTTTGACTGCAGTGCTGAGAAC  
 ACCCTGTTCTACGTGAAGGAGAGCACCCATGGCTGACGTCACCTGAACGCCTGCTGATCCATTCATCT  
 ACTTTTTCTTTGCAAGTCTTTCAGAAATTCCTTGACAAGCATGCTGAGGTGCTCAAACCTACATCAAC  
 ATCTGGGACAAAACAAGAAGAAAGGACAAGAAGGTGGCGAACCAAGCGAAGAGACCCCAATG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR205241 representing NM\_027571  
Red=Cloning site Green=Tags(s)

MDVPGVNTTSANTTFSPGTSTLCVRDYKITQVLFPLLYTVLFFAGLITNSLAMRIFFQIRSKSNFIIFLK  
 NTVISDLLMILTFPFKILSDAKLGAGPLRTLVCQVTSVTFYFTMYISISFLGLITIDRYLKTRPFKTSS  
 PSNLLGAKILSVVIWAFMFLISLPNMILTNRRPKDKDVTKCSFLKSEFGLVWHEIVNYICQVIFWINFLI  
 VIVCYSLITKELYRSYVRTRGSAKVPKKKVNKVFIIIIVFFICFVPPHFARIPYTLTSQTRAVFDCAEN  
 TLFYVKESTLWLTSLNACLDPFIYFFLCKSFRNSLTSMLRCSNSTSTSGTNKKKQEGGEPSEETPM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**ACCN:** NM\_027571

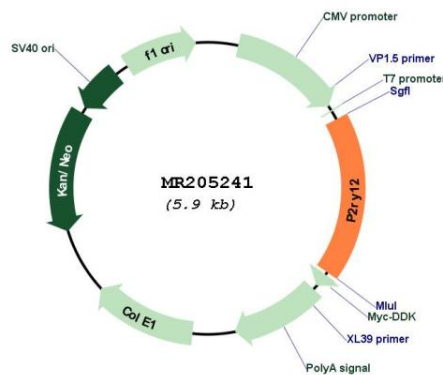
**ORF Size:** 1041 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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.

<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>	<u>NM_027571.4</u>
<b>RefSeq Size:</b>	2338 bp
<b>RefSeq ORF:</b>	1044 bp
<b>Locus ID:</b>	70839
<b>UniProt ID:</b>	<u>Q9CPV9</u>
<b>Cytogenetics:</b>	3 D
<b>MW:</b>	39.9 kDa
<b>Gene Summary:</b>	Receptor for ADP and ATP coupled to G-proteins that inhibit the adenylyl cyclase second messenger system. Required for normal platelet aggregation and blood coagulation. [UniProtKB/Swiss-Prot Function]

**Product images:**


Circular map for MR205241