

Product datasheet for **MG205241**

P2ry12 (NM_027571) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	P2ry12 (NM_027571) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	P2ry12
Synonyms:	2900079B22Rik; 4921504D23Rik; P2Y12
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205241 representing NM_027571 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGATGTGCCTGGTGTCAACACCACCTCAGCCAATACCACCTTCTCCCCTGGGACCAGCACCCCTGTGCG
 TCAGAGACTACAAGATCACCCAGGTTCTTCCCATTGCTGTACACCGTCCTGTTCTTTGCTGGGCTCAT
 CACGAACAGCTTGGAATGAGGATTTCTTTCAGATCCGCAGTAAATCCAATTCATCATTTTTCTTAAG
 AACACGGTCATCTCTGATCTACTAATGATTCTAACTTTCCATTTAAATTTCTTAGTGATGCTAACTGG
 GAGCCGGGCTCTGAGAACCTTGGTGTGCAAGTTACTTCAGTCACATTTTATTTTACAATGTATATCAG
 TATATCGTTCCTGGGTTGATAACCATGACCGCTACCTGAAGACCACCGGCCATTTAAACGTCACAGC
 CCCAGCAATCTCTTGGGTGCAAAGATTCTTCTGTTGTCATCTGGGCCTTCATGTTCTTAATTTCACTGC
 CTAACATGATTCTCACCAACAGGAGGCCAAAAGATAAGGACGTAACAAAATGTTCTTTCTAAAGTCAGA
 GTTTGGTCTAGTTTGGCACGAAATAGTCAATTACATCTGCCAAGTCATTTTCTGGATTAATTTTTAATT
 GTCATCGTTTGTATAGCCTCATTACCAAGAAGTCTATCGGTCTTATGTCAGAACAAAGGGTTCAGCCA
 AAGTTCCCAAGAAAAGGTAAACGTCAAGTTTTATCATCATTTGCTGTATTCTTTATTTGCTTTGTTCC
 CTTCCACTTTGCACGGATTCCCTACACCCTGAGCCAACTCGGGCGTCTTTGACTGCAGTGCTGAGAAC
 ACCCTGTTCTACGTGAAGGAGAGCACCTATGGCTGACGTCAGTGAACGCCTGCCTGATCCATTATCAT
 ACTTTTTCTTTGCAAGTCTTTGAGAAATTCCTTGACAAGCATGCTGAGGTGCTCAAACCTACATCAAC
 ATCTGGGACAAACAAGAAAGGACAAGAAGGTGGCGAACCAAGCGAAGAGACCCCAATG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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Protein Sequence: >MG205241 representing NM_027571
 Red=Cloning site Green=Tags(s)

MDVPGVNTTSANTTFSPGTSTLCVRDYKITQVLFPLLYTVLFFAGLITNSLAMRIFFQIRSKSNFIIFLK
 NTVISDLLMILTFPFKILSDAKLGAGPLRTLVCQVTSVTFYFTMYISISFLGLITIDRYLKTRPFTSS
 PSNLLGAKILSVVIWAFMFLISLPNMILTNRPRKDKDVTCKSFLKSEFGLVWHEIVNYICQVIFWINFLI
 VIVCYSLITKELYRSYVRTRGSAKVPKKVNVKVFIIIAVFFICFVPFHFARIPYTLSTQTRAVFDCSAEN
 TLFYVKESTLWLTSLNACLDPIYFFLCKSFRNSLTSMRLCSNSTSTSGTNKKKGQEGGEPSEETPM

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_027571

ORF Size: 1041 bp

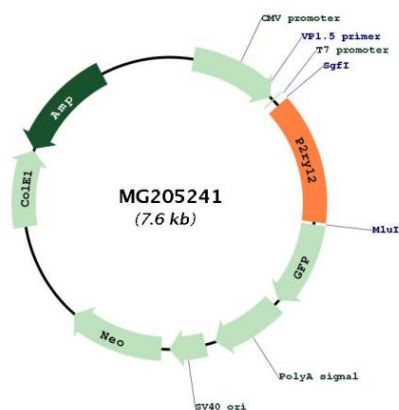
OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA 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 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.

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_027571.4</u>
RefSeq Size:	2338 bp
RefSeq ORF:	1044 bp
Locus ID:	70839
UniProt ID:	<u>Q9CPV9</u>
Cytogenetics:	3 D
Gene Summary:	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 MG205241