

Product datasheet for **MG226766**

P2ry1 (NM_008772) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	P2ry1 (NM_008772) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	P2ry1
Synonyms:	P2Y1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG226766 representing NM_008772 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACCGAGGTGCCTTGGTCGGTTGTCCCAACGGGACGGATGCTGCCTTCTGGCTGGCCTGGGCTCGC
TTTGGGAAACAGTACTGTCGCCTCAACTGCAGCAGTTTCTCTTCAATGTGCCCTGACCAAGAC
CGGTTTCCAGTTCTACTACCTGCCGGCCGTCTACATTTTAGTGTTTCATCATAGGCTTCTAGGCAACAGC
GTGGCTATCTGGATGTTCTGTTTTCCACATGAAGCCTTGGAGCGGCATCTCCGTGTACATGTTCAATTTGG
CTCTGGCTGACTTTTTATACGTGCTCACCTACCAGCCCTCATCTTCTACTACTTCAACAAGACTGACTG
GATCTTCGGGATGCTATGTGCAAGCTGCAGAGATTCATCTCCACGTAAACCTCTACGGTAGCATCTTG
TTCCCTCACCTGCATCAGCGCACACAGGTACAGTGGCGTGGTGTACCCTCTCAAGTCTCTGGGAGGCTCA
AGAAGAAGAAATGCCATTTATGTTAGCGTGTGGTGTGGCTCATTGTGGTGGTGGCCATCTCCCTATTCT
CTTCTACTCTGGCACTGGGACTCGGAAAAACAAACTGTCACCTGCTATGACACCACGTCCAATGATTAC
CTGCGAAGTTATTTATCTACAGTATGTGCAGGACTGTGGCCATGTTCTGCATCCCTTTGGTGTGATCT
TGGGCTGTTATGGATTAATTGTTAAAGCTTTGATTTACAATGACCTGGACAACCTCCGCTCCGGAGGAA
ATCCATTTACCTGGTGATAATTGTCCTGACGGTGTGGTGTGCTGTGCTTATATCCCTTTCCATGTGATGAAA
ACGATGAATTTGGGAGCACGGTTGGATTTCCAGACCCAGAAATGTGATTTCAACGACAGGGTTTATG
CCACTTATCAGGTAACAAGAGGCTAGCAAGTCTCAACAGCTGTGTGGACCCATTCTTTATTTCTTGCC
TGGAGATACATTAGAAGGAGACTGTCCCGAGCCACCAGGAAAGCTTCCAGGAGGAGTGAGGCCAATTTA
CAATCCAAGAGTGAAGAAATGACTCTCAATATTTTATCTGAGTTCAAGCAGAATGGAGACACGAGTTTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG226766 representing NM_008772
 Red=Cloning site Green=Tags(s)

MTEVPWSVVPNGTDA AFLAGL GSLWGNSTVASTAAVSSSFQCALTKTGFQFYLPVYILVFIIGFLGNS
 VAIWMFVFHMKPWSGISVYMFNLALADFLYVL TLPALIFYYFNKTDWIFGDAMCKLQRFIFHVNL YGSIL
 FLTCISAHRYSGVVYPLKSLGRLKKKNAIYVSVLVWLVVVAISPILFYSGTGRKNKTVTCYDSTSNDY
 LRSYFIYSMCTTVAMFCIPLVLILGCYGLIVKALYNDLDNSPLRRKSIYLVIIIVLTVFAVSYIPFHV MK
 TMNLRARLDFQTP EMCDFNDRVYATYQVTRGLASLNSCVDPILYFLAGDTRRRLSRATRKRSEANL
 QSKSEEMTLNILSEFKQNGDTSL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_008772

ORF Size: 1119 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_008772.4](#), [NP_032798.1](#)

RefSeq Size: 3886 bp

RefSeq ORF: 1122 bp

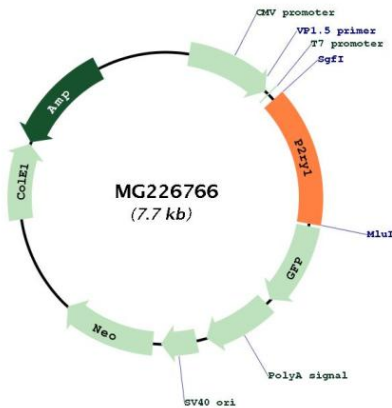
Locus ID: 18441

UniProt ID: [P49650](#)

Cytogenetics: 3 E1

Gene Summary: Receptor for extracellular adenine nucleotides such as ADP. In platelets, binding to ADP leads to mobilization of intracellular calcium ions via activation of phospholipase C, a change in platelet shape, and ultimately platelet aggregation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG226766