

## Product datasheet for **MG205778**

### **P2ry2 (NM\_008773) Mouse Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** P2ry2 (NM\_008773) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** P2ry2  
**Synonyms:** P2U1; P2Y2  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG205778 representing NM\_008773  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCAGCAGACCTGGAACCTGGAATAGCACCATCAATGGCACCTGGGAGGGGACGAACCTGGGATACA  
 AGTGTGCGTTCAACGAGGACTTCAAGTACGTGCTGTTGCCCGTGTCTATGGCGTGGTGTGCGTGTCTCGG  
 GTTGTGCTGAACGTCGTGGCTCTATATCTTCTATGCCGCTCAAACCTGGAACGCCTCCACCACC  
 TACATGTTTACCTGGCAGTTTCGGACTCTCTACGCAGCGTCCCTGCCGCTGTTGGTTTATTACTACG  
 CCCGGGTGACCACTGGCCATTTAGCACGGTCTGCAAGCTGGTGCCTTCTCTACACCAACCT  
 CTACTGCAGCATCCTTCTCCTCAGTGCATCAGCGTGCACCGGTGCCGGAGTCCCTGCCCTCTGCAC  
 TCCTGCGTTGGGGCCGGCCCGTTATGCCCGCGGGTGGCTGCGGTTGTGTGGGTGCTGGTGTGGCT  
 GCCAGGACCCCGTCTACTTCGTCACCACAGCGTGCAGGGAAACCCGGATCACTTGCCATGACACCTC  
 GGCCCGAGAGCTCTTAGCCATTTGTGGCTTACAGCTCCGTCATGCTGGGTCTGCTTTTGTGTGCC  
 TTTCCGTAATCCTGGTCTGTTACGTGCTTATGGCCAGGCGGCTGCTCAAACCGGCTTATGGACACAG  
 GAGGTCTGCCTCGGGCAAGCGCAAGTCTGTGCGCACCATTGCCTTGGTACTGGCCGTCTCGCCCTCTG  
 CTTTCTGCCTTTCACGTCACGCGCACCTCTACTACTCCTTCCGATCACTTGACCTCAGCTGCCACACC  
 CTCAACGCCATCAACATGGCATATAAGATCACCGGCGGCTGGCCAGCGCAACAGTTGTCTTGACCCGG  
 TACTCTACTTCTGGCAGGGCAGAGACTTGTCCGCTTTGCCGAGATGCCAAGCCACCCAGGAGCCTAC  
 CCCCAGCCACAGGCTCGTCGAAAGCTGGGCTGCACAGGCTAACAGAAGTGTGAGGAAAGATTTGTCA  
 GTCAGCAGTGACGACTCAAGACGGACAGAGTCCACACCAGCTGGAAGTGAGACTAAGGACATTCGGCTA

**ACCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA



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**Protein Sequence:** >MG205778 representing NM\_008773  
 Red=Cloning site Green=Tags(s)

MAADLEPWNSTINGTWEGDELGYKCRFNEDFKYVLLPVSYGVVVCLGLCLNVVALYIFLCRLKTNASTT  
 YMFHLAVSDSLYAASLPLLYYYYARGDHPFSTVLCKLVRFLFYTNLYCSILFLTCISVHRCLGVLRLPH  
 SLRWGRARYARRVAAVVWVLLACQAPVLYFVTTSVRGTRITCHDTSARELFSHFVAYSSVMLGLLFAVP  
 FSVILVCYVLMARRLLKPAYGTTGGLPRAKRKSVRTIALVLAVFALCFLPFHVTRTLYYSFRLDLSCHT  
 LNAINMAYKITRPLASANSCLDPVLYFLAGQLVRFARDAKPTEPTSPQARRKLGHRPNRTVRKDL  
 VSSDDSRRESTPAGSETKDIRL

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_008773

**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\\_008773.1](#)

**RefSeq Size:** 3001 bp

**RefSeq ORF:** 1122 bp

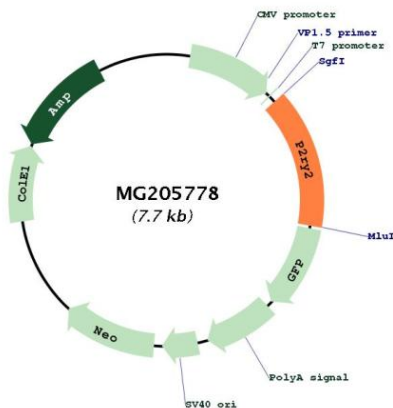
**Locus ID:** 18442

**UniProt ID:** [P35383](#)

**Cytogenetics:** 7 E2

**Gene Summary:** Receptor for ATP and UTP coupled to G-proteins that activate a phosphatidylinositol-calcium second messenger system. The affinity range is UTP = ATP > ATP-gamma-S >> 2-methylthio-ATP = ADP.[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MG205778