

## Product datasheet for **MC203748**

### **P2ry2 (NM\_008773) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	P2ry2 (NM_008773) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	P2ry2
Synonyms:	P2U1; P2Y2
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC006613  
 GCTCGGGCACCAGGAACAGCGGGCAGCCCTTGGAGGGGACCAGCGCAGCGGGAGGTGAGAGGTGCTT  
 CCTAGAGGGGAGCGGACACCAAGAGAGGTGCGCAAGTGAAGCCTGGGACGGGAGCGCCGGTCGAGTCAG  
 CGCCAAACAGGGAGAGCCATTACGTGACTGTCCCAGGGCTCGGGCTCCCAGCCCTTGTACTGCGCAA  
 ACTGGGCGGTGAGAGCCGGTCCGGTGCCTGATGAACCTTGTTCCTCTAGAGCGTGTCTCGGAGTC  
 CTCCGGCAGCTGCTTGTCTTAAAAAATGCTGGAGGCTGGGCGGGGGCCAGGCCGGAACCTGTTCTT  
 CCTGTTTCTGCCTCAGTCCCAGCAGCTGGTCCAGGCCGTGCATATGTGAGTGAAGAATGGAGCAGGC  
 GCTGAGCATCCTCACCACCCCAAGAGCAGGAGCTGATCAGGTCCAGGGCAATGGCAGCAGACCTGGAACC  
 CTGGAATAGCACCATCAATGGCAGCTGGGAGGGGACGAAGTGGGATACAAGTGTGCTTCAACGAGGAC  
 TTCAAGTACGTGCTGTTGCCGTGCTATGGCGTGGTGTGCGTGTGCTCGGGTGTGCTGAACTGCTGG  
 CTCTCTATATCTTCTATGCCGCTCAAAACCTGGAACGCCTCCACCACCTACATGTTTCACCTGGCAGT  
 TTCGGACTCTCTACGCAGCGTCCCTGCCGTGTTGGTTTATTACTACGCCGGGGTGACCACTGGCCA  
 TTTAGCACGGTGTCTGCAAGCTGGTGCCTTCTCTTACACCAACCTCTACTGCAGCATCCTCTTCC  
 TCACCTGCATCAGCGTGCACCGTGCCTGGGAGTCTGCGCCCTCTGCACCTCCCTGCGTTGGGCGGGC  
 CCGTTATGCCCGCGGGTGGCTGCGGTTGTGTGGGTGCTGGTGTGCGCTGCCAGGCACCGGTGCTCTAC  
 TTGCTCACCACAGCGTGCGGGGAACCCGGATCACTTGCCATGACACCTCGGCCCGAGAGCTCTTTAGCC  
 ATTTTGTGGCTTACAGCTCCGTCATGCTGGGTCTGCTTTTTGCTGTGCCCTTTCCGTAATCCTGGTCTG  
 TTACGTGCTTATGGCCAGGCGGCTGCTCAAACCGGCTTATGGGACCACAGGAGGTCTGCCTCGGGCCAAG  
 CGCAAGTCTGTGCGCACCATTGCCTTGGTACTGGCCGCTTTCGCCCTCTGCTTTCTGCCTTTCCACGTCA  
 CGCGCACCCCTCTACTACTCCTCCGATCACTTGACCTCAGCTGCCACACCCCTCAACGCCATCAACATGGC  
 ATATAAGATCACCCGGCCGCTGGCCAGCGCCAACAGTTGTCTTGACCCGGTACTCTACTTCTGGCAGGG  
 CAGAGACTTGTCCGCTTGGCCGAGATGCCAAGCCACCCACGGAGCCTACCCCGAGCCACAGGCTCGTC  
 GCAAGTGGCCCTGCACAGGCCTAACAGAAGTGTGAGGAAAGATTGTGAGTGCAGTGCAGTGCAGTCAAG  
 ACGGACAGAGTCCACACCAGCTGGAAGTGAAGTAAAGGACATTCGGCTATAGCACCTCAGTCAAGGTGTC  
 GTTTATGTAGGGAGCTGTAGGGACCAAGGCTTGTAAAGGGGCTGATATCCTCTGATGCGGATCAACA  
 GCTCTCACTTGGCAGGGGCTCAGGATACTCATCTTGTGTCCCAAGAGTAGCAGGACTCCAAAGTCCCCA  
 ATCATTGTACGTGTGAGTTGGGAAACCATCTTAAGAAAGGCAGTGCCACCCGACTCCTATGCAGACA  
 GCTGCCATTCTGCCAAGGTACCTAGGCTGAGATTGAGCTCCAGATCCAAGGGGGAAGCAGGCTCAGA  
 GAGGACACAGCAGAGCCAGGCTACCTGGATTAGGAGTAGAATCCAAGGTGACTGGAGGGCTCTTGTTT  
 CCATGGTGTAGGATGACCTGGGCAGGATGACTTAGCTCAGAGGAGGACCCTCAGGCCAAGAGACA  
 AACCTCTGAGAGTAATGTCAGTCCCTGGAGACTCCCCTGGCTGGCAGCAGGTGGGAACCAATAACTTAT  
 ATGAAAGGCTGTGCCACCCATTGGGCTGTGCTCTGGGGTATGACCTGGGAAGCTGTCAACCACACACA  
 AGGCCTGTTATCTCTGCCTCCTGCCTTCTCAGTAGTAGGAAGTCTGGATGGGTGTGTGTGTGTGT  
 GGGGGGGGGGGTATCCCTTCTCAATCCCCAGGTCAACCTGCCTTTCAGCCACTTGTCTTCTGTATTG  
 TACTGTGCCAAGCATGGAGAGGAGTCAAATAGGGTTCTGGTTCTTGGGGTTCCCCAGTTCACAAAACCTC  
 TCATGTGCTGGCAAAATGTCAAACCTAAGTGAAGTGGGTTGGGAGGGGCTTTTATTTATAACTGTC  
 AATCCCTGTGGTGAAGCAATCCACTGTGGCCAACTCTATTTCAATTTAAAATTACCAATACAAAGGCG  
 AACCCATTGCAAAATTCGAAAAATCAAAAAAAAAAAAAA

- Restriction Sites:** RsrII-NotI
- ACCN:** NM\_008773
- Insert Size:** 1122 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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:** [BC006613](#), [AAH06613](#)

**RefSeq Size:** 2562 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]  
Transcript Variant: This variant (1) represents the longest transcript. Variants 1, 2 and 3 encode the same protein.