

Product datasheet for **MC227345**

P2ry2 (NM_001302346) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: P2ry2 (NM_001302346) Mouse Untagged Clone
Tag: Tag Free
Symbol: P2ry2
Synonyms: P2U1; P2Y2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC227345 representing NM_001302346
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCAGCAGACCTGGAACCTGGAATAGCACCATCAATGGCACCTGGGAGGGGACGAAGTGGGATACA
AGTGTCTGTTTCAACGAGGACTTCAAGTACGTGCTGTTGCCCGTGTCTATGGCGTGGTGTGCGTGCTCGG
GTTGTGCCTGAACGTCGTGGCTCTATATCTTCTATGCCGCCCAAACCTGGAACGCCTCCACCACC
TACATGTTTACCTGGCAGTTTCGACTCTCTACGCAGCGTCCCTGCCGCTGTTGGTTTATTACTACG
CCCGGGGTGACCACTGGCCATTTAGCACGGTGTCTGCAAGCTGGTGCCTTCTCTTACACCAACCT
CTACTGCAGCATCCTCTTCTCACCTGCATCAGCGTGCACCGGTGCCTGGGAGTCTGCGCCCTCTGCAC
TCCCTGCGTTGGGGCCGGGCCGTTATGCCCGCCGGTGGCTGCGGTTGTGTGGGTGCTGGTGTGGCT
GCCAGGCACCCGTGCTCTACTTCGTACCACCAGCGTGCGGGAACCCGGATCACTTGCCATGACACCTC
GGCCCGAGAGCTCTTAGCCATTTGTGGCTTACAGCTCCGTATGCTGGGTCTGCTTTTGTGTGCC
TTTTCCGTAATCCTGGTCTGTTACGTGCTTATGGCCAGCGGCTGCTCAAACCGGCTTATGGACACAG
GAGGTCTGCCTCGGGCCAAGCGCAAGTCTGTGCCACCATGCTTGGTACTGGCCGCTTCGCCCTCTG
CTTCTGCCTTTCCACCTCAGCGCACCTCTACTACTCTCCGATCACTTGACCTCAGCTGCCACACC
CTCAACGCCATCAACATGGCATATAAGATCACCCGGCCGCTGGCCAGCGCAACAGTTGTCTTGACCCGG
TACTCTACTTCTGGCAGGGCAGAGACTTGTCCGCTTTGCCGAGATGCCAAGCCACCCAGGAGCTAC
CCCCAGCCACAGGCTCGTCGAAGCTGGGCTGCACAGGCCTAACAGAAGTGTGAGGAAAGATTGTCA
GTCAGCAGTGACGACTCAAGACGGACAGAGTCCACACCAGCTGGAAGTGAGACTAAGGACATTCCGGTAT
AG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



[View online »](#)

ACCN:	NM_001302346
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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<ol style="list-style-type: none">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:	<u>NM_001302346.1</u> , <u>NP_001289275.1</u>
RefSeq Size:	2848 bp
RefSeq ORF:	1122 bp
Locus ID:	18442
UniProt ID:	<u>P35383</u>
Cytogenetics:	7 E2
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1, 2 and 3 encode the same protein.</p>