

## Product datasheet for **MC207343**

### **P2rx1 (NM\_008771) Mouse Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** P2rx1 (NM\_008771) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** P2rx1  
**Synonyms:** AI323649; BB122383; P2x; Pdcd3; RP-2  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC207343 representing NM\_008771  
**Red**=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGCTCGGGCGCTGCAGGATGAGCTGTCAGCCTTCTTCTTTGAGTATGACACTCCCCGGATGGTGTCTGG  
TACGAAACAAGAAGGTGGGAGTCATTTCCGCTGATCCAGTTGGTGGTTCTGGTCTACGTCATTGGGTG  
GGTGTGGTCTATGAAAAAGGATACCAGACCTCAAGTGGCCTTATCAGCAGTGTGTGAGTAACTCAAG  
GGCTTGGCTGTGACCCAGCTCCAGGGCCTGGGACCCAGGTCTGGGACGTGGCTGACTATGTCTCCAG  
CACATGGGACAGCTCCTTTGTAGTTATGACCAATTTTCATCATGACCCCTCAGCAGGCTCAAGGACATTG  
TGCAGAGAACCAGAAAGGTGGCATATGCCAAGATGACAGTGGCTGCACTCCAGGAAAAGCAGAAAGGAAA  
GCCCAAGGTATTCGCACAGGCAACTGTGTGCCCTTCAATGGCACTGTGAAGACGTGTGAGATCTTTGGCT  
GGTGTCTGTAGAGGTGGATGACAAGATCCCAAGCCCTGCTCTTCTTTCATGAGGCTGAGAAGTCCACCT  
CTTCATCAAAAACAGCATCAGCTTTCACGCTTCAAGTCAACAGGCGCAACCTGGTGGAGGAGGTGAAT  
GGTACCTACATGAAGAAATGCCTCTACCACAAGATTCTACACCCGCTGTGCCAGTCTTCAGCCTTGGCT  
ATGTGGTGCAGAGTCCGGCCAGGACTTCCGAAGCCTTGTGAGAAGGGCGGGTGGTGGTATCACCAT  
CGACTGGGAGTGTGACCTGGACTGGCATGTACGGCACTGCAAACCATCTACCAGTTCCATGGACTGTAC  
GGGAGAAGAACCTGTCTCCAGGCTTCAACTTCAAGTTTCCAGGCACTTTGTGCAGAATGGGACAAACC  
GTCGTCACCTCTTCAAGGTGTTGGGATTGCTTTGATATCCTTGTGGATGGCAAGGCTGGGAAGTTTGA  
CATCATCCCTACTATGACTACCATCGGCTCTGGGATTGGCATCTTTGGAGTGGCCACAGTTCTCTGTGAT  
CTCTTATTGCTCCACATCTGCCTAAGAGGCACTACTACAAGCAGAAGAAGTTCAAGTATGCGGAGGACA  
TGGGGCTGGGAGGGTGAACGTGACCCCGCGCCACCAGCTCCACTCTGGGCTGCAGGAGAACATGAG  
GACCTCCTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_008771
<b>Insert Size:</b>	1200 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_008771.3</a></u> , <u><a href="#">NP_032797.3</a></u>
<b>RefSeq Size:</b>	2441 bp
<b>RefSeq ORF:</b>	1200 bp
<b>Locus ID:</b>	18436
<b>UniProt ID:</b>	<u><a href="#">P51576</a></u>
<b>Cytogenetics:</b>	11 45.09 cM
<b>Gene Summary:</b>	Ligand-gated ion channel with relatively high calcium permeability. Binding to ATP mediates synaptic transmission between neurons and from neurons to smooth muscle. Seems to be linked to apoptosis, by increasing the intracellular concentration of calcium in the presence of ATP, leading to programmed cell death (By similarity).[UniProtKB/Swiss-Prot Function]