

## Product datasheet for **RN200412**

### **P2rx1 (NM\_001142367) Rat Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** P2rx1 (NM\_001142367) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** P2rx1  
**Synonyms:** P2XMR  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN200412 representing NM\_001142367  
**Red**=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGCTCGGGCGCTGCAAGATGAGCTGTCAGCCTTCTTCTTTGAATATGACACTCCCCGGATGGTGTCTGG  
TACGAAACAAGAAGGTGGGAGTCATTTCCGTCTGATCCAGTTGGTGGTCTGGTCTACGTCATTGGGTG  
GGTGTCTGTCTATGAAAAAGGATACCAGACCTCAAGTACCTCATCAGCAGTGTGTCGGTGAAGCTCAAG  
GGCTTGGCTGTGACCCAGCTCCAGGGCCTGGGACCCAGGTCTGGGACGTGGCTGACTATGTCTCCAG  
CACACGGGGACAGCTCCTTTGTAGTTATGACCAACTTCATCGTGACCCCTCAGCAGACTCAAGGCCATTG  
TGCAGAGAACCAGAAAGGTGGCATATGCCAGGATGACAGTGGCTGCACTCCAGGAAAAGCAGAAAGGAAA  
GCCCAAGGTATTCGCACAGGCAACTGTGTGCCCTTCAATGGCACTGTGAAGACATGTGAGATCTTTGGTT  
GGTGTCTGTAGAGGTGGATGACAAGATCCCAAGCCCTGCTCTTCTTCTGAGGTGAATGGCACCTACAT  
GAAGAAGTGCCTATCACAAGATTCAACACCCCTGTGCCAGTCTTCAACCTTGGCTATGTGGTGGCA  
GAGTCAGGCCAGGACTTCCGCAGCCTTGCTGAGAAGGTGGGGTGGTGGTATCACCATTGACTGGAAGT  
GTGATCTGGACTGGCAGTTTCGGCACTGCAAAACCCATCTACCAGTTCACGGACTGTATGGGGAGAAGAA  
CCTGTCTCCAGGCTTCAACTTCAGATTTGCCAGGCATTTCTGTCAGAAATGGGACAAACCGTCGTCACCTC  
TTCAAGGTGTTTGGGATTCACTTTGATATCCTTGTGGATGGCAAGGCTGGGAAGTTTGACATCATCCCTA  
CTATGACTACTATCGGTTCTGGGATTGGCATCTTTGGAGTGGCCACAGTCTTTGTGATCTCTTATTGCT  
CCACATCTGCCTAAGAGGCACTACTACAAGCAGAAGAAGTTCAAATATGCCGAGGACATGGGGCCGGGA  
GAGGGTGAACATGACCCCGTGGCCACCAGCTCCACTCTGGGCTGCAGGAGAACATGAGGACCTCTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001142367



<b>Insert Size:</b>	1119 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>NM_001142367.2, NP_001135839.1</u>
<b>RefSeq Size:</b>	2466 bp
<b>RefSeq ORF:</b>	1119 bp
<b>Locus ID:</b>	25505
<b>UniProt ID:</b>	<u>P47824</u>
<b>Cytogenetics:</b>	10q24
<b>Gene Summary:</b>	ligand-gated cation-selective ion channel with relatively high calcium permeability; activated by ATP and may be involved in synaptic transmission [RGD, Feb 2006] Transcript Variant: This variant (2) has an alternate splice junction in the coding region, compared to variant 1. The resulting isoform (2) lacks an internal segment, compared to isoform 1.