

## Product datasheet for RN216508

### P2rx1 (NM\_001285415) Rat Untagged Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: P2rx1 (NM\_001285415) 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: >RN216508 representing NM\_001285415  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGCTCGGGCGCTGCAAGATGAGCTGTCAGCCTTCTTCTTTGAATATGACACTCCCCGGATGGTGTCTGG  
 TACGAAACAAGAAGGTGGGAGTCATTTCCGTCTGATCCAGTTGGTGGTCTGGTCTACGTCATTGGGTG  
 GGTGTTTGTCTATGAAAAAGGATACCAGACCTCAAGTACCTCATCAGCAGTGTGTCGGTGAAGCTCAAG  
 GGCTTGGCTGTGACCCAGCTCCAGGGCCTGGGACCCAGGTCTGGGACGTGGCTGACTATGTCTCCAG  
 CACACGGGACAGCTCCTTTGTAGTTATGACCAACTTCATCGTGACCCCTCAGCAGACTCAAGGCCATTG  
 TGCAGAGAACCAGAAAGGTGGCATATGCCAGGATGACAGTGGCTGCACTCCAGGAAAAGCAGAAAGGAAA  
 GCCCAAGGTATTCGCACAGGCAACTGTGTGCCCTTCAATGGCACTGTGAAGACATGTGAGATCTTTGGTT  
 GGTGTCTGTAGAGGTGGATGACAAGATCCCAAGGCGCAACTGGTAGAGGAGGTGAATGGCACCTACAT  
 GAAGAAGTGCCTCTATCACAAGATTCAACACCCCTGTGCCAGTCTTCAACCTTGGCTATGTGGTGCGA  
 GAGTCAGGCCAGGACTTCCGCAGCCTTGCTGAGAAGGTGGGGTGGTGGTATCACCATTGACTGGAAGT  
 GTGATCTGGACTGGCAGTTTCGGCACTGCAAACCCATCTACCAGTTCACGGACTGTATGGGGAGAAGAA  
 CCTGTCTCCAGGCTTCAACTTCAGATTTGCCAGGCATTTTCGTGCAGAATGGGACAAACCGTCGTCACCTC  
 TTCAAGGTGTTTGGGATTCACTTTGATATCCTTGTGGATGGCAAGGCTGGGAAGTTTGACATCATCCCTA  
 CTATGACTACTATCGGTTCTGGATTGGCATCTTTGGAGTGGCCACAGTCTTTGTGATCTCTTATTGCT  
 CCACATCTGCCTAAGAGGCACTACTACAAGCAGAAGAAGTTCAAATATGCCGAGGACATGGGGCCGGGA  
 GAGGGTGAACATGACCCCGTGGCCACCAGCTCCACTCTGGGCTGCAGGAGAACATGAGGACCTCTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul  
 ACCN: NM\_001285415



<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>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<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_001285415.1</a></u> , <u><a href="#">NP_001272344.1</a></u>
<b>RefSeq Size:</b>	2466 bp
<b>RefSeq ORF:</b>	1119 bp
<b>Locus ID:</b>	25505
<b>UniProt ID:</b>	<u><a href="#">P47824</a></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 (3) lacks an in-frame coding exon, compared to variant 1. The resulting isoform (3) lacks an internal segment, compared to isoform 1.