

## Product datasheet for RN200413

### P2rx1 (NM\_012997) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	P2rx1 (NM_012997) Rat Untagged Clone
Tag:	Tag Free
Symbol:	P2rx1
Synonyms:	P2XMR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN200413 representing NM_012997 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGCTCGGCGGCTGCAAGATGAGCTGTCAGCCTTCTTCTTTGAATATGACACTCCCCGGATGGTGTCTGG  
TACGAAACAAGAAGGTGGGAGTCATTTTCCGTCTGATCCAGTTGGTGGTTCTGGTCTACGTCATTGGGTG  
GGTGTGTCTATGAAAAAGGATACCAGACCTCAAGTGACCTCATCAGCAGTGTGTCGGTGAAGCTCAAG  
GGCTTGGCTGTGACCCAGCTCCAGGGCCTGGGACCCAGGTCTGGGACGTGGCTGACTATGTCTTCCAG  
CACACGGGACAGCTCCTTTGTAGTTATGACCAACTTCATCGTGACCCCTCAGCAGACTCAAGGCCATTG  
TGACAGAGAACCCAGAAGGTGGCAGATGCCAGGATGACAGTGGCTGCACTCCAGGAAAAGCAGAAAAGGAAA  
GCCCAAGGTATTCGCACAGGCAACTGTGTGCCCTTCAATGGCACTGTGAAGACATGTGAGATCTTTGGTT  
GGTGTCTGTAGAGGTGGATGACAAGATCCCAAGCCCTGCTCTTCTTCTGAGGGTGAAGAACTTCAACCT  
CTTCATCAAAAACAGCATCAGCTTTCCACGCTTCAAGGTCAACAGGCGCAACCTGGTAGAGGAGGTGAAT  
GGCACCTACATGAAGAAGTGCCTCTATCACAAGATTCAACACCCCTGTGCCAGTCTTCAACCTTGGCT  
ATGTGGTGCAGAGTCAAGCCAGGACTTCCGCAGCCTTGTGAGAAGGGTGGGTGGTGGTATCACCAT  
TGACTGGAAGTGTGATCTGGACTGGCACGTTCCGCAGCTGCAAACCCATCTACCAGTCCACGGACTGTAT  
GGGGAGAAGAACCTGTCTCCAGGCTTCAACTTCAAGTTTGCAGATTTGCCAGGCAATTCGTGCAGAATGGGACAAC  
GTCGTACCTCTTCAAGGTGTTGGGATTCACCTTGTATATCCTTGTGGATGGCAAGGCTGGGAAGTTTGA  
CATCATCCCTACTATGACTACTATCGGTTCTGGGATTGGCATCTTTGGAGTGGCCACAGTCTTTGTGAT  
CTCTTATTGCTCCACATCCTGCCTAAGAGGCACTACTACAAGCAGAAGAAGTTCAAATATGCCGAGGACA  
TGGGGCCGGGAGAGGGTGAACATGACCCCGTGGCCACCAGCTCCACTCTGGGCCTGCAGGAGAACATGAG  
GACCTCC**TGA**

**ACGGCT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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<b>Chromatograms:</b>	<a href="https://cdn.origene.com/chromatograms/ja2465_a02.zip">https://cdn.origene.com/chromatograms/ja2465_a02.zip</a>
<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_012997
<b>Insert Size:</b>	1200 bp
<b>OTI Disclaimer:</b>	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a></p>
<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>	<a href="#">NM_012997.2</a> , <a href="#">NP_037129.1</a>
<b>RefSeq Size:</b>	2547 bp
<b>RefSeq ORF:</b>	1200 bp
<b>Locus ID:</b>	25505
<b>UniProt ID:</b>	<a href="#">P47824</a>
<b>Cytogenetics:</b>	10q24
<b>Gene Summary:</b>	<p>ligand-gated cation-selective ion channel with relatively high calcium permeability; activated by ATP and may be involved in synaptic transmission [RGD, Feb 2006]</p> <p>Transcript Variant: This variant (1) encodes the longest isoform (1).</p>