

## Product datasheet for **RR206706**

### **P2ry1 (NM\_012800) Rat Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** P2ry1 (NM\_012800) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** P2ry1  
**Synonyms:** P2y; P2y1  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR206706 representing NM\_012800  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGACCGAGGTGCCTTGGTCGGCTGTCCCAACGGGACAGATGCTGCCTTCTGGCTGGCCTGGGCTCCC  
TTTGGGAAACAGTACAATCGCCTCGACTGCAGCAGTTTCCTCTTCCATTCGATGTGCCCTGATCAAGAC  
CGGCTTCCAGTTCTACTACCTGCCTGCGGTCTACATCTTAGTGTTCATCATAGGCTTCTTGGCAACAGC  
GTGGCAATCTGGATGTTTGTTCACATGAAGCCTTGGAGCGGCATCTCGGTGTACATGTTCAATTTGG  
CTCTGGCCGACTTTTTGTATGTGCTCACCTACCAGCTCTCATCTTCTACTACTTCAACAAGACTGACTG  
GATCTTCGGGGATGTTATGTGCAAGCTGCAGAGGTTTCATCTTCCATGTAAACCTCTATGGCAGCATCTTG  
TTCCTCACCTGCATCAGTGCACACAGGTACAGTGGCGTGGTGTACCCTCTCAAGTCTCTGGGCAGGCTCA  
AGAAGAAGAAATGCCATTTATGTCAGTGTGCTGGTATGGCTCATTGTGGTGGTGGCCATCTCCCCATTCT  
CTTCTACTCTGGCACTGGGATTCGGAAAAACAAAAGTGCACCTGCTACGACTCCACGTCAGATGAGTAC  
CTGGCAAGTTATTTTCATCTACAGTATGTGCACGACTGTGGCCATGTTCTGCATCCCCCTGGTGTGATCT  
TGGGCTGTTATGGATTAATTGTTAGAGCTTTGATCTACAAGATCTGGACAACCTCTCTCCGGAGGAA  
ATCCATTTACCTGGTGATAATTGCTGACGGTGTGGTGTGCTGTGCTTACATCCCTTCCATGTGATGAAA  
ACGATGAATTTGAGGGCACGGCTGGATTTCCAGACCCAGAAATGTGTGATTTCAACGACAGGGTTATG  
CCACCTATCAGGTAACAAGAGGCTAGCAAGTCTCAACAGCTGTGTGGACCCATTCTTTATTTCTTGGC  
TGGAGATACATTCAGAAGGAGACTGTCCCGAGCCACCAGGAAAGCTTCCAGGAGGAGTGAGGCCAATTTA  
CAATCCAAGAGTGAAGAAATGACTCTCAACATTTTGTCTGAGTTCAGCAGAACGGAGACACAAGTTTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR206706 representing NM\_012800  
Red=Cloning site Green=Tags(s)

MTEVPWSAVPNGTDA AFLAGLSLWGNSTIASTAAVSSSFRCALIKTGFQFYLPVYILVFIIGFLGNS  
 VAIWMFVFHMKPWSGISVYMFNLALADFLYVL TLPALIFYFNKTDWIFGDMCKLQRFIFHVNLYGSIL  
 FLTCISAHRYSGVYVPLKSLGRLKKKNAIYVSVLVWLVVVAISPILFYSGTGIRKNTVTCYDSTSEY  
 LRSYFIYSMCTTVAMFCIPLVLILGCGYGLIVRALIYKDLDNSPLRRKSIYLVIIIVLTVFAVSYIPFHVMK  
 TMNLRARLDFQTPMCFDNDRVYATYQVTRGLASLNSCVDPILYFLAGDTRRRRLSRATRKASRRSEANL  
 QSKSEEMTLNILSEFKQNGDTSL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

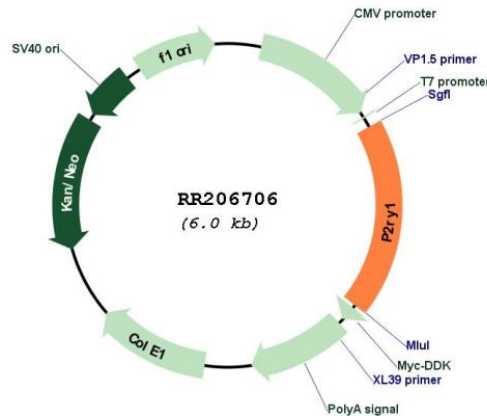
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:**

NM\_012800

<b>ORF Size:</b>	1119 bp
<b>OTI Disclaimer:</b>	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>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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_012800.1</a> , <a href="#">NP_036932.1</a>
<b>RefSeq Size:</b>	3187 bp
<b>RefSeq ORF:</b>	1122 bp
<b>Locus ID:</b>	25265
<b>UniProt ID:</b>	<a href="#">P49651</a>
<b>Cytogenetics:</b>	2q31
<b>MW:</b>	42.3 kDa
<b>Gene Summary:</b>	G protein-coupled receptor for extracellular ATP; plays a role in ischemic preconditioning (IPC) in heart [RGD, Feb 2006]