

Product datasheet for **RN214810**

P2ry2 (NM_017255) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: P2ry2 (NM_017255) Rat Untagged Clone
Tag: Tag Free
Symbol: P2ry2
Synonyms: P2Y2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN214810 representing NM_017255
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCAGCAGGCCTGGACTCCTGGAATAGTACCATCAATGGCACCTGGGAGGGGACGAAGTGGTTACA
AATGTCGCTTCAACGAGGACTTCAAGTATGTGCTGCTGCCGTGTCTATGGCGTGGTGTGCGTGTCCG
GCTGTGCCTGAACGTCGTGGCCCTACATCTTCTGTGCCCTCAAGACCTGGAACGCCTCCACCACC
TACATGTTTACCTGGCAGTTTCTGACTCTCTACGCAGCCTCCCTGCCGCTGCTGTTTATTACTACG
CCCAGGTGACCACTGGCCATTTAGCACAGTGTCTGCAAGCTGGTGCCTTCTTTTCTACACTAACCT
CTACTGCAGCATCCTTCTCCTCACCTGCATCAGCGTGACCGGTGCCTGGGGTCTGCGCCCTCTGCAC
TCCCTGAGCTGGGGCCATGCCCGCTATGCCCGCAGTGGCTGCGGTTGTGTGGGTGCTAGTGTGGCCT
GCCAGGCACCCGTGCTCTACTTTGTACCACAGCGTGAGAGGGACCCGAATCACCTGCCACGACACCTC
GGCCCGAGAGCTCTTAGCCATTTGTGGCTTACAGCTGTGTGCTGGGTCTGCTTTTGTGTGCC
TTTTCCATCATCCTGGTCTGTTACGTGCTCATGGCCCGACGGCTGCTCAAACCGGCTTATGGACACAG
GTCTGCCTCGGGCAAGCGCAAGTCTGTGCGCACCATCGCCTTAGTACTGGCCGCTTTCGCCCTCTGCT
CCTGCCTTCCACGTACCCCGCACCTCTATTACTCCTTCCGATCACTTGACCTCAGTTGCCACACCTC
AACGCCATCAACATGGCGTATAAGATCACCCGGCACTGGCCAGCGCAACAGTTGCCTTACCCTGTGC
TCTACTTCTGGCAGGGCAGAGACTGGTCCGCTTGGCCGAGATGCCAAGCCCGCACAGAGCTACACC
CAGCCACAGGCTCGTCGCAAGCTGGGGCTGCACAGGCCAACAAGAACTGACACTGTGAGGAAAGATTTG
TCGATCAGCAGTGATGACTCAAGAAGGACAGAGTCCACACCAGCTGGAAGTGAGACTAAGGACATTCGTC
T**ATAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



[View online >](#)

ACCN:	NM_017255
Insert Size:	1125 bp
OTI Disclaimer:	<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 custsupport@origene.com 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. More info</p>
Components:	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).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 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.
RefSeq:	NM_017255.1 , NP_058951.1
RefSeq Size:	2011 bp
RefSeq ORF:	1125 bp
Locus ID:	29597
UniProt ID:	P41232
Cytogenetics:	1q32
Gene Summary:	receptor for extracellular ATP; induces smooth muscle contraction [RGD, Feb 2006]