

Product datasheet for **RN203697**

P2rx7 (NM_019256) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	P2rx7 (NM_019256) Rat Untagged Clone
Tag:	Tag Free
Symbol:	P2rx7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >RN203697 representing NM_019256
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCCGGCTTGCTGCAGCTGGAACGATGCTTTTTCAGTATGAGACAAACAAAGTCACCCGGATCCAGAGCG
 TGAATTACGGCACCATCAAGTGGATCTTGACATGACCGTCTTTTCTAGGTTAGCTTTGCTTTGATGAG
 CGACAAGCTATATCAGCGGAAGGAGCCCTTATCAGCTCTGTGCACACCAAGGTCAAAGCGTTGCAGAG
 GTGACAGAGAATGTCACGGAGGGCGGGGTGACGAAGTTAGTACACGGCATCTTCGACACGGCCGACTACA
 CCCTCCCTTTGCAGGGAACTCGTTCTTTGTAATGACAAATTATCTCAAGTCAGAAGGCCAAGAACAGAA
 GCTGTGCTCCTGAGTATCCAGCCGCGTAAACAGTGCCATTCTGACCAGGGTTGTATAAAAGGATGGATG
 GACCCACAAGTAAAGGAATCCAGACCGGCAGGTGTATACCTTACGACCAGAAGAGGAAGACCTGTGAAA
 TCTTTGCCTGGTGTCTGCTGAGGAAGGAAAAGAGCCACGGCTGCCTCTTGAGGAGCGCCGAAAA
 CTTACCGTACTCATCAAGAACAATATCGACTTCCCGGCCACAACATACTACGAGAAACATCTTACCA
 GGTATGAACATCTCTGTACCTTTCACAAGACTTGAACCCCTCAGTGCCCATCTCCGGCTAGGGGACA
 TCTCCAGGAAATCGGAGAGAATTTACAGAGGTGGCAGTTCAGGGAGGAATCATGGGCATTGAGATCTA
 CTGGGACTGCAACCTGGACAGCTGGTCCCATCGCTGTCAACCCAAATACAGCTTCCGCCGGCTGGACGAC
 AAGTACACCAATGAGTCCCTGTTCCCTGGCTACAACCTTACAGTACGCCAAGTACTATAAGGAAAAATGGCA
 TGGAAAAGCGGACATTGATCAAAGCCTTCGGCGTGCCTTTTGACATCCTGGTTTTTGGCACTGGAGGAAA
 GTTTGACATCATCCAGTTGGTTGTACATTGGATCCACCCTGCCTATTTCCGTTTGGCCACCGTGTGT
 ATTGACTTGATCATCAACACGTATGCCAGTACCTGCTGCAGGTCACGTGTTTACCCTCCTGTAAGTGCT
 GCGAGCCCTGTGCAGTGAATGAGTACTACTACAGAAAGAAGTGTGAGCCCATCGTGGAGCCCAAGCCGAC
 GTTAAAGTATGTCTCTTTGTGGACGAGCCACATTTGGATGGTGGACCAGCAGCTGCTTGGGAAAAGT
 CTGCAAGATGTCAAAGGTCAAGAGGTCCCGAGACCCAGACGGACTTCTTGAACGTCTAGGCTCTCCC
 TCTCTCTCCACCACTCACCCCAATTCCTGGACAACCTGAGGAAATGCAGCTGCTCCAGATAGAAGCGGT
 TCCTAGGTCCAGGGACAGCCAGATTGGTGGCAGTGTGGAAACTGCCTCCCGTCTCAACTACCAGAGAAC
 CGCAGGGCCCTGGAGGAGCTGTGCTGCCGGAGGAAGCCAGGACAGTGCATCACTACCTCTGAGCTTTCA
 GTAAGATCGTGTATCCAGAGAGGCCCTGCAGCTCCTCCTGCTCTACCAGGAGCCCTTGTGGCGCTGGA
 GGGAGAGGCCATCAACAGCAAGCTGCGACTGTGCGTACAGGAGCTATGCCACCTGGCGCTTTGTCTCC
 CAAGACATGGCCGACTTTGCCATTCTGCCAGCTGCTGCCGCTGGAAGATCCGGAAGGAGTCCCAAGA
 CCCAGGGCAGTACAGTGCTTCAAGTATCCCTACT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja2718_c03.zip

Restriction Sites: Sgfl-Mlul

ACCN: NM_019256

Insert Size: 1788 bp

OTI Disclaimer: 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.

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](#)

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:

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_019256.1](#), [NP_062129.1](#)

RefSeq Size: 3540 bp

RefSeq ORF: 1788 bp

Locus ID: 29665

UniProt ID: [Q64663](#)

Cytogenetics: 12q16

Gene Summary: an ATP receptor; may be involved in fast synaptic transmission and the ATP-mediated lysis of antigen-presenting cells [RGD, Feb 2006]