

Product datasheet for **MC228402**

P2rx7 (NM_001284402) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	P2rx7 (NM_001284402) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	P2rx7
Synonyms:	A1467586; P2X(7); P2X7R
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC228402 representing NM_001284402
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCTGCCCGTGAGCCACTTATGCAGCCATAAATCCGGAAAGTCCTTGAATCCATAGCATATGGATCG
 GGACGCTGAAGAACACCTTCTAGGGGCCATCTGCGTCTATATCTGCTTTGCTTTGGTGAGCGATAAGCT
 GTACCAGCGAAAAGACCTGTTATCAGCTCCGTGCACACCAAGGTCAAAGGCATAGCAGAGGTGACGGAG
 AATGTCACAGAGGGTGGGGTGACGAAGTTAGGACACAGCATCTTTGACACTGCAGACTACACCTTCCCTT
 TGCAGGGGAACCTATTCTTTGTCATGACAACTATGTCAAGTCAGAAGGCCAAGTCAGACGCTGTGTCC
 TGAGTATCCCAGGCGGGTGCACAGTGTCTTCTGACCGCGTTGAAAAAGGGTGGATGGACCCACAG
 AGCAAAGGAATCCAGACTGGCAGGTGTGTCCATATGACAAGACAAGGAAGACCTGTGAAGTCTCTGCCT
 GGTGTCTACTGAGGAGGAGAAAGAAGTCCCCGACCTGCACTCTTGAGGAGCGCCGAAAACCTCACCGT
 ACTCATCAAGAATAATATCCACTTCCCCGGCCACAATAACCAGGAGAAACATCTTGCCAACTATGAAC
 GGCTCTTGACCTTTCACAAGACTTGGGACCTCAGTGTCCATCTCCGACTAGGGGACATCTCCAGG
 AAGCAGGAGAGAAGTTTACAGAGGTGGCAGTTCAGGGAGGAATCATGGGTATCGAGATCTACTGGGATTG
 CAACCTAGACAGCTGGTCCCATCACTGCCGACCCAGGTACAGCTTCCGCCCTGGATGACAAGAACACG
 GATGAGTCCTTCGTCGCCGCTACAACCTCAGATATGCCAAGTACTATAAGGAGAACAATGTGAAAAAGC
 GGACGTTGATCAAAGCCTTCGGCATCCGTTTTGACATCTGGTTTTCGGCACTGGAGGAAAATTTGACAT
 CATCCAGCTGGTGTATACATTGGATCCACCCTGCCTACTTTGGCTTGGCCACTGTGTGCATTGACTTG
 CTCATCAACACATACTCCAGTCTTTCTGCAGGTGCGGGGTTACCCCTACTGTAAGTGTGTGAGCCCT
 GCACAGTGAACGAGTATTACTACAGAAAAGAAGTGTGAGTCCATCATGGAACCCAAGCCGACGTTGAAGTA
 TGTGTCCTTTGTCGACGAGCCGCACATTCGCATGGTGGACCAGCAGCTGCTTGGGAAAAGTCTGCAAGTT
 GTCAAAGGCCAAGAAGTTCCAAGACCCAGATGGACTTCTCCGACCTGTCTAGGCTGTCCCTATCTCTCC
 ACGACTCACCCCTGACTCCTGGACAATCTGAGGAAATTCAGTGTCCATGAAGAGGTGGCCCTAAGTC
 CGGGGACAGCCCGAGTTGGTGCCAGTGTGGAAATTCCTCCGCTCTCGCTACCGGAGCAACGCAGGGCC
 CTGGAGGAGCTGTGCTGCCGGAGGAAGCCGGGCGGTGCATCACCACTCCAAGCTTCCATAAGCTCG
 TGCTGTCCGAGACACCCTGCAGTCTCTCTGCTTTACCAGGATCCCTTGTGCTGGGGGAAGAGGC
 CACCAACAGCAGGCTGCGACACCGTGTACAGGTGCTATGCCACCTGGCGCTTCGGCTCCAGGACATG
 GCCGACTTTGCCATTCTGCCAGCTGTTGCCGCTGGAGGATCCGGAAGGAGTTCCCAAGACCGAGGGGC
 AGTATAGTGGCTCAAGTATCCCTACTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001284402
- Insert Size:** 1779 bp
- OTI Disclaimer:** 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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:	<u>NM_001284402.1</u> , <u>NP_001271331.1</u>
RefSeq Size:	4764 bp
RefSeq ORF:	1779 bp
Locus ID:	18439
Cytogenetics:	5 F
Gene Summary:	<p>Receptor for ATP that acts as a ligand-gated ion channel. Responsible for ATP-dependent lysis of macrophages through the formation of membrane pores permeable to large molecules. Could function in both fast synaptic transmission and the ATP-mediated lysis of antigen-presenting cells. In the absence of its natural ligand, ATP, functions as a scavenger receptor in the recognition and engulfment of apoptotic cells.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (5) includes an alternate 5' terminal exon and differs in the 5' UTR and the 5' coding region, compared to variant 1. It encodes isoform e, which is shorter and has a distinct N-terminus, compared to isoform a. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>