

Product datasheet for **MC219512**

P2rx7 (NM_011027) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	P2rx7 (NM_011027) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	P2rx7
Synonyms:	A1467586; P2X(7); P2X7R
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC219512 representing NM_011027
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCCGGCTTGCAGCTGGAACGATGCTTGCAGTATGAGACAAACAAAGTCACCCGGATCCAGAGCA
 CGAATTATGGCACCGTCAAGTGGGTCTTGACATGATCGTCTTTTCTACATTAGCTTTGCTTTGGTGAG
 CGATAAGCTGTACCAGCGGAAAGAGCCTGTTATCAGCTCCGTGCACACCAAGGTCAAAGGCATAGCAGAG
 GTGACGGAGAATGTCACAGAGGGTGGGGTGACGAAGTTAGGACACAGCATCTTTGACACTGCAGACTACA
 CCTTCCCTTTGCAGGGAACTATTCTTTGTCATGACAACTATGTCAAGTCAGAAGGCCAAGTGCAGAC
 GCTGTGCTCCTGAGTATCCAGGCGCGGTGCACAGTGTCTTCTGACCGCGGTTGAAAAAGGGTGGATG
 GACCCACAGAGCAAAGGAATCCAGACTGGCAGGTGTGTTCCATATGACAAGACAAGGAAGACCTGTGAAG
 TCTCTGCCTGGTCTCTACTGAGGAGGAGAAAGAAGTCCCCGACCTGCCTCTTGAGGAGCGCCGAAAA
 CTTCCCGTACTCATCAAGAATAATCCACTTCCCCGGCCACAACCTATACCACGAGAAACATCTTGCCA
 ACTATGAACGGCTCTTGTACCTTTCACAAGACTTGGGACCCCTCAGTGTTCCATCTCCGACTAGGGGACA
 TCTTCCAGGAAGCAGGAGAGAATTTACAGAGGTGGCAGTTCAGGGAGGAATCATGGGTATCGAGATCTA
 CTGGGATTGCAACCTAGACAGCTGGTCCCACACTGCCGACCCAGGTACAGCTTCCGCCCGCTGGATGAC
 AAGAACACGGATGAGTCTTCGTCGCCGGCTACAACCTCAGATATGCCAAGTACTATAAGGAGAACAATG
 TGGAAAAGCGGACGTTGATCAAAGCCTTCGGCATCCGTTTTGACATCCTGGTTTTCGGCACTGGAGGAAA
 ATTTGACATCATCCAGCTGGTTGTATACATTGGATCCACCCTGCCTACTTTGGCTTGGCCACTGTGTGC
 ATTGACTTGCTCATCAACACATACTCCAGTGTCTTCTGCAGGTGCGGGGTTTACCCTACTGTAAGTGT
 GTGAGCCCTGCACAGTGAACGAGTATTACTACAGAAAGAAGTGTGAGTCCATCATGGAACCCAAGCCGAC
 GTTGAAGTATGTGTCCTTTGTCGACGAGCCGACATTCGCATGGTGGACCAGCAGCTGTTGGGAAAAGT
 CTGCAAGTTGTCAAAGGCCAAGAAGTTCCAAGACCCAGATGGACTTCTCCGACCTGTCTAGGCTGTCCC
 TATCTCTCCAGACTCACCCCTGACTCCTGGACAATCTGAGGAAATTCAGCTGCTCCATGAAGAGGTGGC
 CCCTAAGTCCGGGGACAGCCCGAGTTGGTGCCAGTGTGGAATTCCTCCCGTCTCGCTACCGGAGCAA
 CGCAGGGCCCTGGAGGAGCTGTGCTGCCGGAGGAAGCCGGGGCGGTGCATCACCACCTCCAAGCTTTCC
 ATAAGCTCGTGTGTCCGAGACACCCTGCAGTCTCTCTGCTTACCAGGATCCCTGTGCTGGTGTGGG
 GGAAGAGGCCACCAACAGCAGGCTGCGACACCGTCTTACAGGTGCTATGCCACCTGGCGCTTCGGCTCC
 CAGGACATGGCCGACTTTGCCATTCTGCCAGCTGTTGCCGCTGGAGGATCCGGAAGGAGTCCCCAAGA
 CCGAGGGCAGTATAGTGCTTCAAGTATCCCTACTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_011027

Insert Size: 1788 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).

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_011027.3](#), [NP_035157.2](#)

RefSeq Size: 4936 bp

RefSeq ORF: 1788 bp

Locus ID: 18439

UniProt ID: [Q9Z1M0](#)

Cytogenetics: 5 F

Gene Summary: 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]
Transcript Variant: This variant (1) represents the longest transcript and encodes the longest 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.