

Product datasheet for **MC209133**

P2rx7 (NM_001038887) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: P2rx7 (NM_001038887) 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
Fully Sequenced ORF: >MC209133 representing NM_001038887
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

**ATGCCGGCTTGCTGCAGCTGGAACGATGTCTTGCAGTATGAGACAAACAAAGTCACCCGGATCCAGAGCA
CGAATTATGGCACCGTCAAGTGGGTCTTGACATGATCGTCTTTCTACATTAGCTTTGCTTTGGTGAG
CGATAAGCTGTACCAGCGAAAGAGCCTGTTATCAGCTCCGTGCACACCAAGGTCAAAGGCATAGCAGAG
GTGACGGAGAATGTACAGAGGGTGGGGTGACGAAGTTAGGACACAGCATCTTTGACACTGCAGACTACA
CCTTCCCTTGCAGGGAACTCATTCTTTGTCATGACAACTATGTCAAGTCAGAAGGCCAAGTGCAGAC
GCTGTGCTCCTGAGGATCTTCCAACCTCCAGGAGAGTAACACAGACTTCCAACCCTGCTCAGGAATCCC
AGAGCCAAGAAGGAAGAAGGCTTAAGCCTGGAGCTGGCC**TAA****

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001038887

Insert Size: 462 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).



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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_001038887.1</u> , <u>NP_001033976.1</u>
RefSeq Size:	824 bp
RefSeq ORF:	462 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 (4) lacks several exons and includes an alternate 3' terminal exon, compared to variant 1. It encodes isoform d which is shorter and has a distinct C-terminus, compared to isoform 1.</p>