

Product datasheet for **MC212924**

P2rx2 (NM_001164834) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	P2rx2 (NM_001164834) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	P2rx2
Synonyms:	P2x2; P2X2a
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC212924 representing NM_001164834 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCGCTGCACAGCCCCGGCTTCCCGCGGGGGCGGCCATGGTCCGGCGCTTGGCCGGGGCTGCTGGT
CCGCGTTCTGGGACTACGAGACGCCAAGGTGATCGTGGTGCAGGAATCGGCGCCTGGGATTCGTGCACCG
CATGGTGCAGCTGCTCATTCTGCTTTACTTCGTGTGGTACGTCTTCATCGTGCAGAAAAGCTACCAGGAT
AGCGAAACCGGTCCGGAGAGCTCCATCATACCAAAGTCAAGGGGATCACCATGTCGGAACACAAAGTGT
GGGACGTGGAGGAATACGTAAGCCCCCGAGGGGGGCGAGTGTAGTCAGCATCATCACCAGGATCGAGGT
TACTCCTTCCCAGACCCTGGGAACATGCCAGAGAGCATGAGGGTTCACAGCTCTACCTGCCATTTAGAT
GACGACTGTGTGGCCGGACAGCTGGACATGCAGGGCAATGGGATTCGGACAGGACGCTGTGTACCCTATT
ACCATGGGGACTCCAAGACCTGCGAGGTGTGAGCCTGGTCCCGGTGGAGGATGGGACTTCTGAAAACCA
TTTTCTGGGTAATAATGGCCCCAAATTCACCATCCTCATCAAGAACAGCATCCACTATCCAAGTTCAAG
TTCTCCAAGGGCAACATTGCAAGCCAGAAGAGTGACTACCTGAAGCACTGCACGTTTGTATCAGGACTCTG
ATCCATACTGTCCCATCTTCAGGCTGGGCTTATTGTAGAGCAAGCAGGAGAGAAGTTACAGAACTGGC
ACACAAGGGCGGTGTCATTGGGGTATCATCAACTGGAAGTGTGACCTGGACTTGTCTGAATCAGAGTGC
AACCCCAAATATTCTTTCCGGAGGCTCGACCCCAAGTATGACCCCTGCCTTTCAGGCTACAAGTTCCAGT
TTGCCAAATATTACAAGATAAACGGCACACCACCACCTCGAACTCTCATCAAAGCCTATGGGATTGGAAT
TGACGTTATTGTGCATGGACAGGCAGGAAATTAGTCTCATTCCACCATCATCAATCTGGCCACTGCT
CTGACCTCCATCGGGGTGGGCTCCTTTCTGTGTGACTGGATTTTGTAAACGTTTCATGAACAAAAACAAGC
TCTACAGCCATAAGAAGTTCGACAAGGACTCCACATCCACGGACCCCAAAGTTTGGCCAACTTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001164834
Insert Size:	1188 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:	<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_001164834.1</u> , <u>NP_001158306.1</u>
RefSeq Size:	1649 bp
RefSeq ORF:	1188 bp
Locus ID:	231602
UniProt ID:	<u>Q8K3P1</u>
Cytogenetics:	5 F
Gene Summary:	<p>Ion channel gated by extracellular ATP involved in a variety of cellular responses, such as excitatory postsynaptic responses in sensory neurons, neuromuscular junctions (NMJ) formation, hearing, perception of taste and peristalsis. In the inner ear, regulates sound transduction and auditory neurotransmission, outer hair cell electromotility, inner ear gap junctions, and K(+) recycling. Mediates synaptic transmission between neurons and from neurons to smooth muscle.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) lacks an alternate in-frame segment in the 3' coding region compared to variant 1. The encoded protein (isoform e) is shorter than isoform a.</p>