

Product datasheet for **MC201602**

P2rx3 (NM_145526) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	P2rx3 (NM_145526) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	P2rx3
Synonyms:	4930513E20Rik; P2X3
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC023089 sequence for NM_145526
 CTAGAGTGTCAAGAGGAGACGAGGCACTGGACTACAGTTGCCTGGCTTATAGGAACTGGCTCTTTTCC
 TCAAGCCCCATTAAGCAGCCCACTCCAGTTCCTGATCTCTGTCTCCCAGTCTGAGGTCTTTTCTCTCCT
 TGGGCTGCATCCACAGCCTTTCTGGGTGGCTGTGAGCACTTTCTCAGTATGAACTGTATATCAGACTTCT
 TCACCTACGAGACTACCAAGTCGGTGGTGTGAAAAGCTGGACCATTGGGATCATCAACCGAGCCGTTCA
 GCTGCTGATTATCTCCTACTTTGTGGGGTGGTTTTCTTGCACGAGAAGGCCTACCAAGTCGGGGACACG
 GCCATTGAGTCCCTCAGTAGTAACAAAGGTAAGGCTTCGGACGCTATGCCAACAGAGTCATGGATGTGT
 CGGATTATGTGACCCACCCAGGGCACTTCTGTCTTTGTCATCATCACCAAAATGATCGTTACTGAAAA
 TCAAATGCAAGGATTCTGTCCAGAGAATGAGGAGAAGTACCGCTGTGTCTGACAGCCAGTGTGGGCT
 GAGCGCTTCCCGGTGGGGGATCCTCACCGGCCGCTGCGTGAACCTACAGCTCTGTCCGTGCGACCTGTG
 AGATCCAGGGCTGGTCCCCACCGAGGTGGACACCGTGGAGATGCCTATCATGATGGAAGCCGAGAACTT
 CACCATTTTCATCAAGAACAGCATCCGTTTCCCTCTTCAACTTTGAGAAGGGAAACCTCTTCTTAAC
 CTCACCGACAAGGACATAAAGAAGTGCCGCTTCCATCCTGAAAAGGCCCAATTTTCCCCATCTTGAGGG
 TAGGGGACGTGGTTAAGTTTGTGGGCAGGATTTTCCAAGCTGGCCCGCACGGGTGGAGTTCTGGGCAT
 TAAGATCGGCTGGTGTGTGATCTGGACAAGGCCTGGGACCAGTGCATTCCCAAATATTCTTCACTCGG
 CTAGATGGAGTTTCTGAGAAAAGCAGTGTTCCTTCCCTGGCTACAACCTCAGGTTTGCCAAATACTACAAGA
 TGGAGAATGGCAGCGAGTACCCACGCTCCTGAAGGCTTTCGGCATCCGCTTTGATGTGCTGGTATACGG
 GAACGCTGGCAAGTTCAACATCATTCCCACCATCATCAGCTCGGTGGTGCCTTCACTTCCGTGGGAGTG
 GGGACTGTTCTCTGTGACATCATCTGTCAATTTCTCAAAGGGGCTGATCACTACAAAGCCAGGAAGT
 TTGAGGAGGTGACTGAGACAACACTGAAGGGTACTGCTTCAACCAACCCAGTGTTCACCAGTGACCAGGC
 CACTGTAGAGAAGCAGTCCACAGACTCGGGGCTATTCTATTGGTCACTAGGGCCTCTTCCAGGGTGC
 CATGCTTATCCTTGGGCTGCAGAACCTTCAACAGGCCACTCTATCTCAGCAGACAGAGGTGGGAGGGGA
 GAAGAGGGGCTCTTATTTCTGATGTTACCCCAAGACCAGGTATCTAGACCCTCACTGTTTCCAGCAGACA
 GGCAGTGTCTCCCGCTAAGACCTGAATTTTGCCTTTACCCTTGATGCCTCCCATTTGCTTCCCTGGGT
 CCCAAGCATCCATCCATTTCCAAAGGATAGAGAAAATGGTAGCTAAGGTTACATCCATAGAACCTACCAC
 ATACCAGGGACTCCCATACACATTATCTCTTGCACCCTTAAAATAATCTATAAGGTAGATTTTTGGGG
 GTGGGGGTGGGGGTGTTTTGTTTTGTTTTGTTGTTTTAAGAGAAGGAGGAATGAAAAAAAAAAAA
 AAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_145526

Insert Size: 1194 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: [BC023089](#), [AAH23089](#)

RefSeq Size: 1843 bp

RefSeq ORF: 1194 bp

Locus ID: 228139

UniProt ID: [Q3UR32](#)

Cytogenetics: 2 D

Gene Summary: Receptor for ATP that acts as a ligand-gated cation channel (By similarity). Plays a role in sensory perception (PubMed:15961431, PubMed:16322458). Required for normal perception of pain (PubMed:15961431). Required for normal taste perception (PubMed:16322458). [UniProtKB/Swiss-Prot Function]