

Product datasheet for **RR216512**

P2rx3 (NM_001270621) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: P2rx3 (NM_001270621) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: P2rx3
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR216512 representing NM_001270621
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGTGTATATCAGACTTCTTACCTACGAGACTACCAAGTCGGTGGTGTGAAGAGCTGGACCATTG
GGATCATCAACCGAGCCGTCAGCTGCTGATTATCTCTACTTTGTGGGTGGTCTTCTGCATGAGAA
GGCTACCAAGTGAGGGACACCGCCATTGAGTCCTCAGTAGTTACAAAGGTGAAAGGCTTCGGGCGCTAT
GCCAACAGAGTCATGGACGTGTCGGATTATGTGACCCACCCAGAATGAAGAGAAGTACCGCTGTGTGT
CTGACAGCCAGTGTGGGCTGAACGCTTCCAGGTGGGGGATCCTCACCGCCGCTGCGTGAACACTACAG
CTCTGTTCTCCGGACCTGTGAGATCCAGGGCTGGTCCCCACTGAGGTGGACACCGTGGAGATGCCTATC
ATGATGGAGGCTGAGAACTTCAACATTTTCATCAAGAACAGCATCCGTTTCCCTCTTCAACTTTGAGA
AGGAAACCTCTGCCTAACCTCACGACAAGGACATAAAGAGGTGCCGTTCCACCTGAAAAGGCCCC
ATTTTGCCCATCTTGAGGGTAGGGATGTGGTTAAGTTTGTGGACAGGATTTGCCAAGCTGGCCCGC
ACGGGTGGCCTTCTGGGTTAAGATCGGCTGGGTGTGCGATCTAGACAAGGCCTGGGACCAGTGCATCC
CTAAATATTCCTCACTCGGCTGGATGGAGTTTCTGAGAAAAGCAGTGTTTCCCCTGGCTACAATTCAG
GTTTGCCAAATACTATAAGATGGAGAACGCGAGGAGTACCGCACACTCCTGAAGGCTTTTGGCATCCGC
TTTGATGTGCTGGTATATGGGAACGCTGGCAAGTTCAACATCATCCCCACCATTATCAGCTCGGTGGCGG
CCTTCACTTCTGTGGAGTGGGCACTGTTCTCTGTGACATCATCTGCTCAATTTCTCAAAGGGGCTGA
TCACTACAAAGCCAGGAAGTTTGGAGAGGTGACTGAGACAACACTGAAGGGTACTGCGTCAACCAACCCA
GTGTTCCGCAAGTACCAGGCCACTGTGGAGAAGCAGTCTACAGACTCAGGGGCCATTCTATTGGTAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR216512 representing NM_001270621
 Red=Cloning site Green=Tags(s)

MNCISDFFTYETTKSVVKSWSWIGIINRAVQLLIISYFVGWVFLHEKAYQVRDTAISSVTVKVKGFGRY
 ANRVMDVSDYVTPPQNEEKYRCVSDSQCGPERFPGGGILTGRCVNYSSVLRTCEIQGWCPTVDTVEMPI
 MMEAENFTIFIKNSIRFPLFNFEKGNLLPNLTDKDIKRCRFHPEKAPFCPILRVGDVVVFAGQDFAKLAR
 TGGVLGIKIGWCDLDKAWDQCIPKYSFTRLDGVSEKSSVSPGYNFRFAKYKMEGSEYRLLKAFGIR
 FDVLYGNAGKFNIPTIISVAAFTSVGVTVLDCDIILLNFKGADHYKARKFEEVTETTLKGTASTNP
 VFASDQATVEKQSTDSGAYSIGH

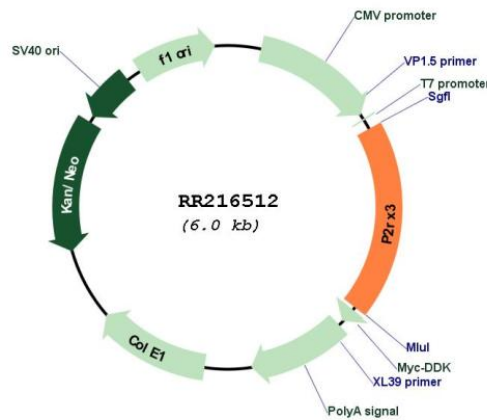
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001270621

ORF Size:	1119 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_001270621.1 , NP_001257550.1
RefSeq Size:	3692 bp
RefSeq ORF:	1122 bp
Locus ID:	81739
UniProt ID:	P49654
Cytogenetics:	3q24
MW:	41.7 kDa
Gene Summary:	ligand gated, cation-selective ion channel that is a receptor for ATP [RGD, Feb 2006]