

Product datasheet for **RR204051**

P2ry6 (NM_057124) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: P2ry6 (NM_057124) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: P2ry6
Synonyms: P2y6
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR204051 representing NM_057124
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGCGGGACAATGGCACCATCCAGGCTCCAGGCTTGCCGCCACCACCTGCGTCTACCGTGAGGATT
TCAAGCGACTGCTGTACCCCACTTTACTCAGTGGTGTGGTGGTGGCTGCCACTGAACGTCTGTGT
CATCGCCAGATATGCGCATCCCGCCGACCCTGACCCGTTCCGCTGTGTACACCCTGAACCTGGCACTG
GCGGACCTGCTGTATGCCTGTTCAGTCCCTACTTATCTATAACTACGCCAGAGGGGACCACTGGCCCT
TCGGAGACCTTGCTGCCGCTGGTACGCTTCCCTCTTCTATGCCAACCTACACGGCAGCATCCTGTTCT
CACCTGCATTAGCTTCCAGCGATACCTAGGCATCTGCCATCCCCTGGCCCCCTGGCACAAGCGTGGAGGT
CGCCGTGCTGCTTGGGTGGTATGTGGAGTGGTTGGTGGTGTGACAGCCAGTGCCTGCCACAGCAG
TCTTTGCCGCCACGGGCATCCAGCGCAACCGCACTGTCTGCTACGACCTGAGCCACCCATCCTGTCCAC
CCGCTACCTGCCGATGGCATGGCCCTCACGGTCATCGGCTTCTTGCTTCCCTTCACAGCCTTACTGGCC
TGCTACTGTGCGATGGCCCGCCGCTGTGTCGCCAGGATGGCCAGCAGGTCCTGTGGCCCAAGAGCGTC
GCAGCAAGGCGGCCGATGGCTGTGCTGGTAGCAGCTGTCTTTGTTATCAGCTTCTGCCTTCCACAT
CACCAAGACAGCCTACTTGGCTGTGCGCTCCACGCCCGGCTCTCTTGCCCGTACTGGAGACCTTCGCT
GCAGCCTACAAAGGCACCCGGCCCTTCGCCAGTGTAAACAGGCTTCTGGACCCTATCCTCTTCTACTTCA
CACAACAGAAGTCCGGCGGCAACCACAGCATCTCTACAGAAGCTCACAGCCAAGTGGCAGAGGCAGAG
AGTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR204051 representing NM_057124
Red=Cloning site Green=Tags(s)

MERDNGTIQAPGLPPTTCVYREDFKRLLLPPVYSVVLVGLPLNVCVIAQICASRRTLRSVAVYTLNLAL
 ADLLYACSLPLLIYNYARGDHWPFGLACRLVRFLEYANLHGSILFLTCISFQRYLGICHPLAPWHKRGG
 RRAAWVVCVVVWLVVTAQCLPTAVFAATGIQRNRTVCYDLSPILSTRYLPYGMALTVIGFLLPFTALLA
 CYCRMARRLCRQDGPAGPVAQERRSKAARMVVVAAVFVISFLPFHITKTAYLAVRSTPGVSCPVLETFA
 AAYKGRTRPFASANSVLDPIILFYFTQQKFRRQPHDLLQKLAKWQRQRV

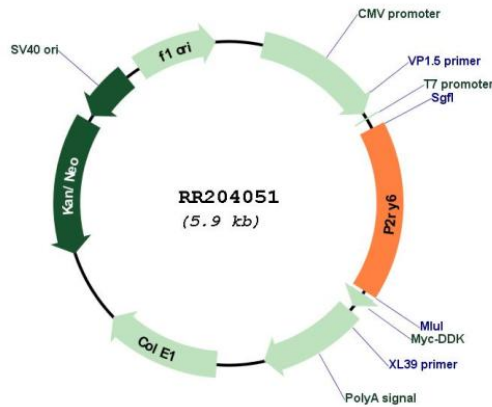
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_057124

ORF Size: 984 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_057124.2 , NP_476465.1
RefSeq Size:	2530 bp
RefSeq ORF:	987 bp
Locus ID:	117264
UniProt ID:	Q63371
Cytogenetics:	1q32
MW:	36.7 kDa
Gene Summary:	purinergic nucleotide receptor that displays increased activation by UTP compared to ADP; activation induces phospholipase C activation and calcium mobilization [RGD, Feb 2006]