

Product datasheet for **RC234047**

P2X5 (P2RX5) (NM_001204519) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	P2X5 (P2RX5) (NM_001204519) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	P2X5
Synonyms:	LRH-1; P2X5; P2X5R
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC234047 representing NM_001204519
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGGCAGGCGGGCTGCAAGGGGCTCTGCCTGTCGCTGTTCGACTACAAGACCGAGAAGTATGTCATCG
 CCAAGAACAAGAAGGTGGGCCTGCTGTACCGGCTGCTGCAGGCCTCCATCCTGGCGTACCTGGTCGTATG
 GGTGTTCTCTGATAAAGAAGGGTTACCAAGACGTGACACCTCCCTGCAGAGTGCTGTCATACCAAAGTC
 AAGGGCGTGGCCTTACCAACACCTCGGATCTTGGGCAGCGGATCTGGGATGTCGCCGACTACGTATTC
 CAGCCCAGGGAGAGAACGTCTTTTTGTGGTCACCAACCTGATTGTGACCCCAACCAGCGGCAGAACGT
 CTGTGCTGAGAATGAAGGCATTCCTGATGGCGGTGCTCAAGGACAGCGACTGCCACGCTGGGGAAGCG
 GTTACAGCTGAAACGGAGTGAAGACCGGCCGCTGCCTGCGGAGAGAACTTGGCCAGGGGCACCTGTG
 AGATCTTTGCCTGGTCCCGTTGGAGACAAGCTCCAGGCCGAGGAGCCATTCTGAAGGAGCCGAAGA
 CTTACCATTTCATAAAGAACCACATCCGTTTTCCCAAATCAACTTCTCCAACAATGTGATGGACGTC
 AAGGACAGATCTTTCCTGAAATCATGCCACTTTGGCCCAAGAACCCTACTGCCCATCTTCCGACTGG
 GCTCCGTGATCCGCTGGGCCGGGAGCGACTTCCAGGATATAGCCCTGGAGGGTGGCGTGATAGGAATTAA
 TATTGAATGGAAGTGTGATCTTGATAAAGCTGCCTCTGAGTGCCACCCTCACTATTCTTTAGCCGCTCTG
 GACAATAAACTTTCAAAGTCTGTCTCCTCCGGTACAACCTCAGATTTGCCAGATATTACCGAGACGCAG
 CCGGGTGGAGTCCGCACCCTGATGAAAGCCTACGGGATCCGCTTTGACGTGATGGTGAACGGCAAGGG
 TGCTTTCTTCTGCGACCTGGTACTCATCTACCTCATCAAAAAGAGAGATTTTACCGTGACAAGAAGTAC
 GAGGAAGTGAGGGCCTAGAAGACAGTCCAGGAGCCGAGGACGAGGCATCGGGCTGGGGCTATCTG
 AGCAGCTCACATCTGGGCCAGGGCTGCTGGGGATGCCGGAGCAGCAGGAGCTGCAGGAGCCACCCGAGGC
 GAAGCGTGAAGCAGCAGTCAGAAGGGGAACGGATCTGTGTGCCACAGCTCCTGGAGCCCCACAGGAGC
 ACG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC234047 representing NM_001204519
 Red=Cloning site Green=Tags(s)

MGQAGCKGLCLSLFDYKTEKYVIAKNKKVGLLYRLLQASILAYLVVWVFLIKKGYQDVTSLQSAVITKV
 KGVAFTNTSDLGQRIWDVADYVIPAQGENVFFVVTNLIVTPNQQRNVCAENEGIPDGACSKDSDCHAGEA
 VTAGNGVKTGRCLRRENLARGTCEIFAWCPLETSSRPEEPFLKEAEDFTIFIKNHIRFPKFNFSNNVMDV
 KDRSFLKSCHFGPKNHYPFRFRLGVSIRWAGSDFQDIALEGGVIGINIEWNCDLKAASECHPHYSFRL
 DNKLSKSVSSGYNFRFARYYRDAAGVEFRTLKAYGIRFDVMVNGKGAFFCDLVL IYL IKKREFYRDKKY
 EEVRGLEDSQEAEDAESGLGLSEQLTSGPGLLGMPEQQELQEPPEAKRGSSSQKNGSVCPQLLEPHRS
 T

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001204519

ORF Size: 1263 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:

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_001204519.2](#)

RefSeq Size: 2338 bp

RefSeq ORF: 1266 bp

Locus ID: 5026

UniProt ID: [Q93086](#)

Cytogenetics: 17p13.2

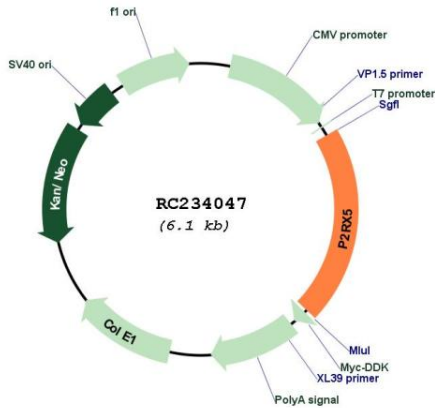
Protein Families: Druggable Genome, Ion Channels: ATP Receptors, Transmembrane

Protein Pathways: Calcium signaling pathway, Neuroactive ligand-receptor interaction

MW: 47.6 kDa

Gene Summary: The product of this gene belongs to the family of purinoceptors for ATP. This receptor functions as a ligand-gated ion channel. Alternative splicing results in multiple transcript variants. Read-through transcription also exists between this gene and the neighboring downstream gene, TAX1BP3 (Tax1 binding protein 3). [provided by RefSeq, Mar 2011]

Product images:



Circular map for RC234047