

Product datasheet for RC207345

P2RY5 (LPAR6) (NM_005767) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	P2RY5 (LPAR6) (NM_005767) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	P2RY5
Synonyms:	ARWH1; HYPT8; LAH3; LPA-6; P2RY5; P2Y5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC207345 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTAAGCGTTAACAGCTCCCACTGCTTCTATAATGACTCCTTTAAGTACACTTTGTATGGGTGCATGT
TCAGCATGGTGTGGTTAATATCCAATTGTGTGCCATATACATTTTCATCTGCGTCTCAA
AGTCCGAAATGAACTACAACCTACATGATTAACCTGGCAATGTCAGACTTGCTTTTGTCTTTACTTTA
CCCTTCAGGATTTTACTTCACAACACGGAATGGCCATTTGGAGATTTACTTTGTAAGATTTCTGTGA
TGCTGTTTTATACCAACATGTACGGAAGCATTCTGTTCTAACCTGTATTAGTGTAGATCGATTTCTGGC
AATTGTCTACCAATTTAAGTCAAAGACTCTAAGAACCAAAAGAAATGCAAAGATTGTTTGCCTGGCGTG
TGGTAACTGTGATCGGAGGAAGTGCACCCGCCGTTTTTGTTCAGTCTACCCACTCTCAGGGTAAACAATG
CCTCAGAAGCCTGCTTTGAAAATTTCCAGAAGCCACATGGAAAACATATCTCTCAAGGATTGTAATTTT
CATCGAAATAGTGGGATTTTATTCCTCTAATTTTAAATGTAACCTGTTCTAGTATGGTGTAAAACT
TTAACCAAACCTGTTACATTAAGTAGAAGCAAAATAAACAAAACCTAAGGTTTTAAAAATGATTTTGTAC
ATTTGATCATATCTGTTCTGTTTGTTCCTTACAATATCAATCTTATTTATATTCTCTGTGAGAAC
ACAAACATTTGTTAATTGCTCAGTAGTGGCAGCAGTAAGGACAATGTACCAATCACTCTCTGTATTGCT
GTTTCCAACCTGTTGTTTGGCCCTATAGTTTACTACTTTACATCGGACACAATTCAGAATCAATAAAAA
TGAAAAACTGGTCTGTGAGGAGAAGTGACTTCAGATTCTCTGAAGTTCATGGTGCAGAGAATTTTATTCA
GCATAACCTACAGACCTTAAAAAGTAAGATATTTGACAATGAATCTGCTGCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC207345 protein sequence
Red=Cloning site Green=Tags(s)

MVSVNSSHCIFYNDSFKYTLYGCMFSMVFLGLISNCVAIYIFICVLKVRNETTTYMINLAMSDLLFVFTL
 PFRIFYFTTRNWPFGDLLCKISVMLFYTNMYGSILFLTCISVDRFLAIVYPFKSKTLRTRKNAKIVCTGV
 WLTVIGGSAPAVFVQSTHSQGNNAEACFENFPEATWKTYLSRIVIFIEIVGFFIPLILNVTCSMVLKT
 LTKPVTLRSKINKTKVLKMI FVHLIIFCFVFPYNINLILYSLVRTQTFVNCSSVVAAVRTMYPITLCIA
 VSNCCFDPIVYYFTSDTIQNSIKMKNWSVRRSDFRFSEVHGAENFIQHNLQTLKSKIFDNESAA

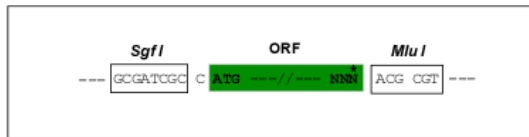
TRTRPLEQKLISEEDLAANDILDYKDDDDKVV

Chromatograms: https://cdn.origene.com/chromatograms/mk6002_e05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_005767

ORF Size: 1032 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_005767.7](#)

RefSeq Size: 3043 bp

RefSeq ORF: 1035 bp

Locus ID: 10161

UniProt ID: [P43657](#)

Cytogenetics: 13q14.2

Domains: 7tm_1

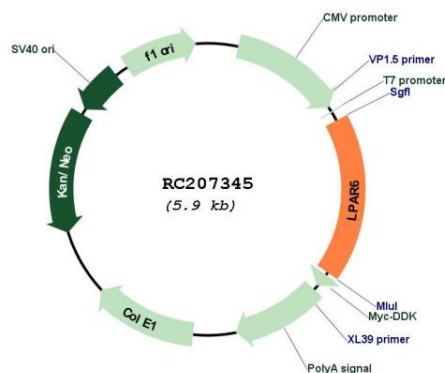
Protein Families: Druggable Genome, GPCR, Transmembrane

Protein Pathways: Neuroactive ligand-receptor interaction

MW: 39.4 kDa

Gene Summary: The protein encoded by this gene belongs to the family of G-protein coupled receptors, that are preferentially activated by adenosine and uridine nucleotides. This gene aligns with an internal intron of the retinoblastoma susceptibility gene in the reverse orientation. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2009]

Product images:



Circular map for RC207345