

## Product datasheet for **RC228834**

### **P2RY5 (LPAR6) (NM\_001162497) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** P2RY5 (LPAR6) (NM\_001162497) 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:** >RC228834 ORF sequence  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGTAAGCGTTAACAGCTCCCACTGCTTCTATAATGACTCCTTTAAGTACACTTTGTATGGGTGCATGT  
TCAGCATGGTGTGGTTAATATCCAATTGTGTGCCATATACATTTTCATCTGCGTCTCAA  
AGTCCGAAATGAACTACAACCTACATGATTAACCTGGCAATGTCAGACTTGCTTTTGTCTTTACTTTA  
CCCTTCAGGATTTTACTTCACAACACGGAATTGGCCATTTGGAGATTTACTTTGTAAGATTTCTGTGA  
TGCTGTTTTATACCAACATGTACGGAAGCATTCTGTTCTAACCTGTATTAGTGTAGATCGATTTCTGGC  
AATTGTCTACCAATTTAAGTCAAAGACTCTAAGAACCAAAAGAAATGCAAAGATTGTTTGCCTGGCGTG  
TGGTAACTGTGATCGGAGGAAGTGCACCCGCCGTTTTTGTTCAGTCTACCCACTCTCAGGGTAAACAATG  
CCTCAGAAGCCTGCTTTGAAAATTTCCAGAAGCCACATGGAAAACATATCTCTCAAGGATTGTAATTTT  
CATCGAAATAGTGGGATTTTATTCCTCTAATTTTAAATGTAACCTGTTCTAGTATGGTGTAAAACT  
TTAACCAAACCTGTTACATTAAGTAGAAGCAAAATAAACAAAACCTAAGGTTTTAAAAATGATTTTGTAC  
ATTTGATCATATTCTGTTCTGTTTGTTCCTTACAATATCAATCTTATTTATATTCTCTGTGAGAAC  
ACAAACATTTGTTAATTGCTCAGTAGTGGCAGCAGTAAGGACAATGTACCAATCACTCTCTGTATTGCT  
GTTTCCAACCTGTTGTTTGGCCCTATAGTTTACTACTTTACATCGGACACAATTCAGAATCAATAAAAA  
TGAAAAACTGGTCTGTGAGGAGAAGTGACTTCAGATTCTCTGAAGTTTCATGGTGCAGAGAATTTTATTCA  
GCATAACCTACAGACCTTAAAAAGTAAGATATTTGACAATGAATCTGCTGCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

**Protein Sequence:** >RC228834 protein sequence  
Red=Cloning site Green=Tags(s)

MVSVNSSHCFYNDSFKYTLYGCMFSMVFLGLISNCVAIYIFICVLKVRNETTTYMINLAMSDLLFVFTL  
 PFRIFYFTTRNWPFGDLLCKISVMLFYTNMYGSILFLTCISVDRFLAIVYPFKSKTLRTRKNAKIVCTGV  
 WLTVIGGSAPAVFVQSTHSQGNNAEACFENFPEATWKTYLSRIVIFIEIVGFFIPLILNVTCSMVLKT  
 LTKPVTLRSKINKTKVLKMI FVHLIIFCFV PYNINLILYSLVRTQTFVNCSSVVAAVRTMYPITLCIA  
 VSNCCFDPIVYYFTSDTIQNSIKMKNWSVRRSDFRFSEVHGAENFIQHNLQTLKSKIFDNESAA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6002\\_e05.zip](https://cdn.origene.com/chromatograms/mk6002_e05.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001162497

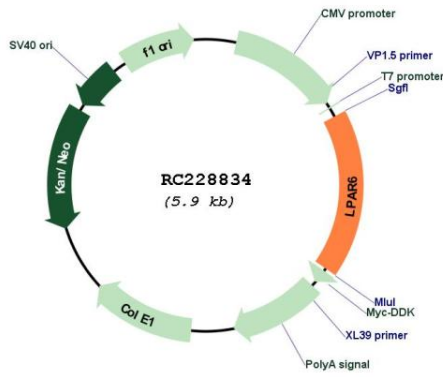
**ORF Size:** 1032 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

|                               |   |
|-------------------------------|---|
| <b>OTI Annotation:</b>        | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.  |
| <b>Components:</b>            | 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).  |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol> |
| <b>RefSeq:</b>                | <a href="#">NM_001162497.3</a>  |
| <b>RefSeq Size:</b>           | 2561 bp   |
| <b>RefSeq ORF:</b>            | 1035 bp   |
| <b>Locus ID:</b>              | 10161   |
| <b>UniProt ID:</b>            | <a href="#">P43657</a>  |
| <b>Cytogenetics:</b>          | 13q14.2   |
| <b>Protein Families:</b>      | Druggable Genome, GPCR, Transmembrane   |
| <b>Protein Pathways:</b>      | Neuroactive ligand-receptor interaction   |
| <b>MW:</b>                    | 39.4 kDa  |
| <b>Gene Summary:</b>          | 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 RC228834