

## Product datasheet for **RC402792**

### **P2RY5 (LPAR6) (NM\_005767) Human Mutant ORF Clone**

#### **Product data:**

Product Type:	Mutant ORF Clones
Product Name:	P2RY5 (LPAR6) (NM_005767) Human Mutant ORF Clone
Mutation Description:	G146R
Affected Codon#:	146
Affected NT#:	436
Nucleotide Mutation:	LPAR6 Mutant (G146R), Myc-DDK-tagged ORF clone of Homo sapiens lysophosphatidic acid receptor 6 (LPAR6), transcript variant 1 as transfection-ready DNA
Effect:	Hyporihosis
Symbol:	LPAR6
Synonyms:	ARWH1; HYPT8; LAH3; LPA-6; P2RY5; P2Y5
E. coli Selection:	Kanamycin (25 ug/mL)
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
Tag:	Myc-DDK
ACCN:	NM_005767
ORF Size:	1032 bp
Restriction Sites:	Sgfl-Mlul



[View online »](#)

**ORF Nucleotide Sequence:**

>RC402792 representing NM\_005767  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGGATCGCC

ATGGTAAGCGTTAACAGCTCCCACTGCTTCTATAATGACTCCTTTAAGTACACTTTGTATGGGTGCATGT  
 TCAGCATGGTGTGGTGGTTAATATCCAATTGTGTGCCATATACATTTTCATCTGCGTCCCTCAA  
 AGTCCGAAATGAACTACAACCTTACATGATTAACCTGGCAATGTCAGACTTGCTTTTGTCTTTACTTTA  
 CCCTTCAGGATTTTTACTTCACAACACGGAATTGGCCATTTGGAGATTACTTTGTAAGATTTCTGTGA  
 TGCTGTTTTATACCAACATGTACGGAAGCATTCTGTTCTTAACCTGTATTAGTGTAGATCGATTTCTGGC  
 AATTGTCTACCCATTTAAGTCAAAGACTCTAAGAACCAAAAGAAATGCAAAGATTGTTTGCCTGGCGTG  
 TGGTAACTGTGATCAGAGGAAGTGCACCCGCGTTTTGTTTCAGTCTACCCACTCTCAGGGTAAACAATG  
 CCTCAGAAGCCTGCTTTGAAAAATTTCCAGAAGCCACATGGAAAACATATCTCTCAAGGATTGTAATTTT  
 CATCGAAATAGTGGGATTTTTATTCTCTAATTTTAAATGTAACCTGTTCTAGTATGGTCTAAAAACT  
 TTAACCAACCTGTTACATTAAGTAGAAGCAAAATAAACAAAACCTAAGGTTTTAAAAATGATTTTGTAC  
 ATTTGATCATATTCTGTTTCTGTTTTGTTCTTACAATATCAATCTTATTTTATATTCTCTGTGAGAAC  
 ACAACATTTGTTAATTGCTCAGTAGTGGCAGCAGTAAGGACAATGTACCCAATCACTCTCTGTATTGCT  
 GTTCCAACTGTTGTTTTGACCCATAGTTTACTACTTACATCGGACACAATTCAGAATTCAATAAAAA  
 TGAAAACTGGTCTGTCAGGAGAAGTACTTCAGATTCTCTGAAGTTCATGGTGCAGAGAATTTTATTCA  
 GCATAACCTACAGACCTAAAAAGTAAGATATTTGACAATGAATCTGCTGCC

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGA TAAGGTTTAA

**Protein Sequence:**

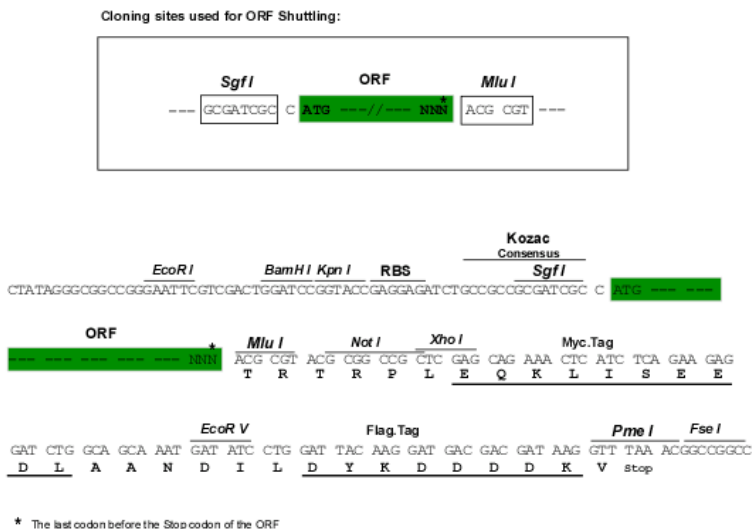
>RC402792 representing NM\_005767  
 Red=Cloning site Green=Tags(s)

MVSVNSSHCYFNDSFKYTYLGYCMFSMVFLGLISNCVAIYIFICVLKVRNETTTYMINLAMS DLLFVFTL  
 PFRIFYFTTRNWPFGDLLCKISVMLFYTNMYGSILFLTCSVDRFLAIVYPFKSKTLRTRKRNAKIVCTGV  
 WLTVIRGSAPAVFVQSTHSQGNNAEACFENFPEATWKTYLSRIVIFIEIVGFFIPLILNVTCSSMVLKT  
 LTKPVTLSRSKINKTKVLKMFVHLIIFCFCFVPYNINLILYSLVRTQTFVNCSVVAAVRTMYPITLCIA  
 VSNCCFDPIVYYFTSDTIQNSIKMKNWSVRRSDFRSEVHGAENFIQHNLQTLKSKIFDNESAA

SGPTRRRRLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**

**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).

**RefSeq:**

[NP\\_005758](#)

**RefSeq Size:**

1032 bp

**RefSeq ORF:**

1035 bp

**Locus ID:**

10161

**Cytogenetics:**

13q14.2

**Domains:**

7tm\_1

**Protein Families:**

Druggable Genome, GPCR, Transmembrane

**Protein Pathways:**

Neuroactive ligand-receptor interaction

**MW:**

37.8 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]