

Product datasheet for **RC402796**

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:	C278Y
Affected Codon#:	278
Affected NT#:	833
Nucleotide Mutation:	LPAR6 Mutant (C278Y), Myc-DDK-tagged ORF clone of Homo sapiens lysophosphatidic acid receptor 6 (LPAR6), transcript variant 1 as transfection-ready DNA
Effect:	Woolly hir
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:	Sgfi-Mlul



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ORF Nucleotide Sequence:

>RC402796 representing NM_005767
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGGATCGCC

ATGGTAAGCGTTAACAGCTCCCACTGCTTCTATAATGACTCCTTTAAGTACACTTTGTATGGGTGCATGT
 TCAGCATGGTGTGGTGGTTAATATCCAATTGTGTGCCATATACATTTTCATCTGCGTCCCTCAA
 AGTCCGAAATGAACTACAACCTTACATGATTAACCTGGCAATGTCAGACTTGCTTTTTGTTTTACTTTA
 CCCTTCAGGATTTTTACTTCACAACACGGAATTGGCCATTTGGAGATTACTTTGTAAGATTTCTGTGA
 TGCTGTTTTATACCAACATGTACGGAAGCATTCTGTTCTTAACCTGTATTAGTGTAGATCGATTTCTGGC
 AATTGTCTACCCATTTAAGTCAAAGACTCTAAGAACCAAAAGAAATGCAAAGATTGTTTGCCTGGCGTG
 TGGTAACTGTGATCGGAGGAAGTGCACCCGCGTTTTGTTTCAGTCTACCCACTCTCAGGGTAAACAATG
 CCTCAGAAGCCTGCTTTGAAAATTTCCAGAAGCCACATGGAAAACATATCTCTCAAGGATTGTAATTTT
 CATCGAAATAGTGGGATTTTTATTCTCTAATTTTAAATGTAACCTGTTCTAGTATGGTCTAAAAACT
 TTAACCAACCTGTTACATTAAGTAGAAGCAAAATAAACAAAACCTAAGGTTTTAAAAATGATTTTTGTAC
 ATTTGATCATATTCTGTTTCTGTTTTGTTCTTACAATATCAATCTTATTTTATATTCTCTGTGAGAAC
 ACAACATTTGTTAATTGCTCAGTAGTGGCAGCAGTAAGGACAATGTACCCAATCACTCTCTATATTGCT
 GTTCCAACTGTTGTTTTGACCTATAGTTTACTACTTACATCGGACACAATTCAGAATTCATAAAAA
 TGAAAACTGGTCTGTGAGGAGAAGTACTTACAGATTCTGAAGTTCATGGTGCAGAGAATTTTATTCA
 GCATAACCTACAGACCTAAAAAGTAAGATATTTGACAATGAATCTGCTGCC

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGA TAAGGTTTAA

Protein Sequence:

>RC402796 representing NM_005767
 Red=Cloning site Green=Tags(s)

MVSVNSSHCYFNDYFKYTLYGCMFSMVFLGLISNCVAIYIFICVLKVRNETTTYMINLAMS DLLFVFTL
 PFRIFYFTTRNWPFGDLLCKISVMLFYTNMYGSILFLTCSVDRFLAIVYPFKSKTLRTRKRNAKIVCTGV
 WLTVIGGSAPAVFVQSTHSQGNNAEACFENFPEATWKTYLSRIVIFIEIVGFFIPLILNVTCSMVLKT
 LTKPVTLSRSKINKTKVLKMFVHLIIFCFVFPYNINLILYSLVRTQTFVNCSVVAVRTMYPITLYIA
 VSNCCFDPIVYFTSDTIQNSIKMKNWSVRRSDFRSEVHGAENFIQHNLQTLKSKIFDNESAA

SGPTRRRRLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

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]