

Product datasheet for **RC402795**

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:	E189K
Affected Codon#:	189
Affected NT#:	565
Nucleotide Mutation:	LPAR6 Mutant (E189K), 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:	Sgfl-Mlul



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ORF Nucleotide Sequence:

>RC402795 representing NM_005767
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGGATCGCC

ATGGTAAGCGTTAACAGCTCCCACTGCTTCTATAATGACTCCTTTAAGTACACTTTGTATGGGTGCATGT
 TCAGCATGGTGTGGTGGTTAATATCCAATTGTGTGGCATATACATTTTCATCTGCGTCCCTCAA
 AGTCCGAAATGAACTACAACCTTACATGATTAACCTGGCAATGTCAGACTTGCTTTTGTCTTTACTTTA
 CCCTTCAGGATTTTACTTCACAACACGGAATTGGCCATTTGGAGATTACTTTGTAAGATTTCTGTGA
 TGCTGTTTTATACCAACATGTACGGAAGCATTCTGTTCTTAACCTGTATTAGTGTAGATCGATTTCTGGC
 AATTGTCTACCCATTTAAGTCAAAGACTCTAAGAACCAAAAGAAATGCAAAGATTGTTTGCCTGGCGTG
 TGGTAACTGTGATCGGAGGAAGTGCACCCGCGTTTTGTTCAGTCTACCCACTCTCAGGGTAAACAATG
 CCTCAGAAGCCTGCTTTGAAAAATTTCCAGAAGCCACATGGAAAACATATCTCTCAAGGATTGTAATTTT
 CATCAAAATAGTGGGATTTTTATTCTCTAATTTTAAATGTAACCTGTTCTAGTATGGTCTAAAAACT
 TTAACCAACCTGTTACATTAAGTAGAAGCAAAATAAACAAAACCTAAGGTTTTAAAAATGATTTTGTAC
 ATTTGATCATATTCTGTTTCTGTTTTGTTCCTTACAATATCAATCTTATTTTATATTCTCTGTGAGAAC
 ACAACATTTGTTAATTGCTCAGTAGTGGCAGCAGTAAGGACAATGTACCCAATCACTCTCTGTATTGCT
 GTTCCAACTGTTGTTTTGACCCATAGTTTACTACTTACATCGGACACAATTCAGAATTCAATAAAAA
 TGAAAACTGGTCTGTGAGGAGAAGTACTTACAGATTCTGAAGTTCATGGTGCAGAGAATTTTATTCA
 GCATAACCTACAGACCTAAAAAGTAAGATATTTGACAATGAATCTGCTGCC

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGA TAAGGTTTAA

Protein Sequence:

>RC402795 representing NM_005767
 Red=Cloning site Green=Tags(s)

MVSVNSSHCYFYNDSFKYTLYGCMFSMVFLGLISNCVAIYIFICVLKVRNETTTYMINLAMS DLLFVFTL
 PFRIFYFTTRNWPFGDLLCKISVMLFYTNMYGSILFLTCSVDRFLAIVYPFKSKTLRTRKRNAKIVCTGV
 WLTVIGGSAPAVFVQSTHSQGNNAEACFENFPEATWKTYLSRIVIFIKIVGFFIPLILNVTCSSMVLKT
 LTKPVTLSRSKINKTKVLKMFVHLIIFCFVFPYNINLILYSLVRTQTFVNCSVVAVRTMYPITLCLIA
 VSNCCFDPIVYFTSDTIQNSIKMKNWSVRRSDFRSEVHGAENFIQHNLQTLKSKIFDNESAA

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]