

Product datasheet for **RC402793**

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:	Q155X
Affected Codon#:	155
Affected NT#:	463
Nucleotide Mutation:	LPAR6 Mutant (Q155X), Myc-DDK-tagged ORF clone of Homo sapiens lysophosphatidic acid receptor 6 (LPAR6), transcript variant 1 as transfection-ready DNA
Effect:	Hyporihiosis
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:	462 bp
Restriction Sites:	Sgfl-Mlul



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ORF Nucleotide Sequence:

>RC402793 representing NM_005767
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGTAAGCGTTAACAGCTCCCACTGCTTCTATAATGACTCCTTTAAGTACACTTTGTATGGGTGCATGT
 TCAGCATGGTGTGGTTGCTGGTTAATATCCAATTGTGTGCCATATACATTTTCATCTGCGTCCTCAA
 AGTCCGAAATGAACTACAACCTTACATGATTAACCTGGCAATGTCAGACTTGCTTTTGTCTTTACTTTA
 CCCTTCAGGATTTTACTTCACAACACGGAATTGGCCATTTGGAGATTACTTTGTAAGATTTCTGTGA
 TGCTGTTTTATACCAACATGTACGGAAGCATTCTGTTCTTAACCTGTATTAGTGTAGATCGATTCTGGC
 AATTGTCTACCCATTTAAGTCAAAGACTCTAAGAACCAAAGAAATGCAAAGATTGTTTGCCTGGCGTG
 TGTTAACTGTGATCGGAGGAAGTGCACCCGCCGTTTTTGT

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGA TAAGGTTTAA

Protein Sequence:

>RC402793 representing NM_005767
 Red=Cloning site Green=Tags(s)

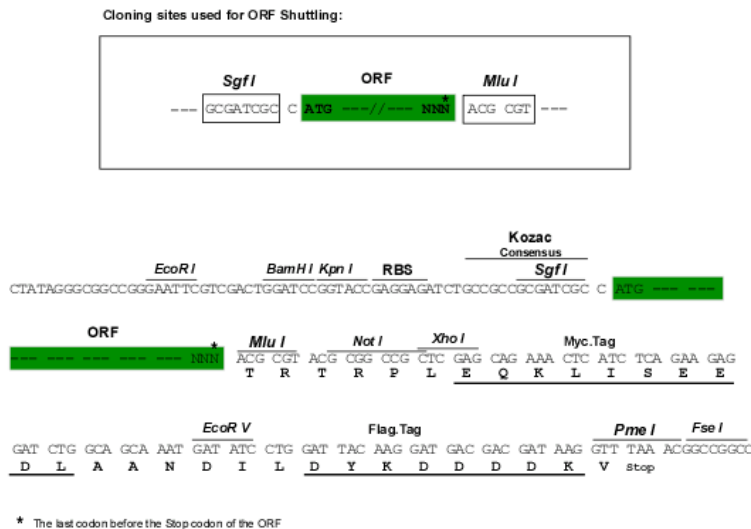
MVSVNSSHCFYNDSFKYTYLGYCMFSMVFVLGLISNCVAIYIFICVLKVRNETTTYMINLAMSDDLFFVFTL
 PFRIFYFTTRNWPFGDLLCKISVMLFYTNMYGSILFLTCISVDRFLAIIVYPFKSKTLRTRKNAKIVCTGV
 WLTVIGGSAPAVFV

SGPTRTRRLE**QKLI**SEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-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:	<u>NP_005758</u>
RefSeq Size:	462 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:	16.9 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]