

## Product datasheet for **SC116518**

### **P2RY5 (LPAR6) (NM\_005767) Human Untagged Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	P2RY5 (LPAR6) (NM_005767) Human Untagged Clone
Tag:	Tag Free
Symbol:	P2RY5
Synonyms:	ARWH1; HYPT8; LAH3; LPA-6; P2RY5; P2Y5
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC116518 sequence for NM_005767 edited (data generated by NextGen Sequencing)

```
ATGGTAAGCGTTAACAGCTCCCACTGCTTCTATAATGACTCCTTTAAGTACACTTTGTAT
GGGTGCATGTTTCAGCATGGTGTTTTGTGCTTGGGTTAATATCCAATTGTGTGCCATATAC
ATTTTCATCTGCGTCTCAAAGTCCGAAATGAACTACAACCTTACATGATTAACCTGGCA
ATGTCAGACTTGCTTTTTGTTTTACTTTACCCTTCAGGATTTTTACTTCACAACACGG
AATTGGCCATTTGGAGATTTACTTTGTAAGATTCTGTGATGCTTTTTATACCAACATG
TACGGAAGCATTCTGTTCTTAACCTGTATTAGTGTAGATCGATTTCTGGCAATTGTCTAC
CCATTTAAGTCAAAGACTCTAAGAACCAAAAGAAATGCAAAGATTGTTTGCCTGGCGTG
TGGTAACTGTGATCGGAGGAAGTGCACCCGCCGTTTTTGTTCAGTCTACCCACTCTCAG
GGTAACAATGCCTCAGAAGCCTGCTTTGAAAATTTCCAGAAGCCACATGGAAAACATAT
CTCTCAAGGATTGTAATTTTCATCGAAATAGTGGGATTTTTTATTCTCTAATTTAAAT
GTAACCTGTTCTAGTATGGTGCTAAAACTTTAACCAAACCTGTTACATTAAGTAGAAGC
AAAATAACAACAACTAAGGTTTTAAAAATGATTTTTGTACATTTGATCATATTCTGTTTC
TGTTTTGTTTCCTTACAATATCAATCTTATTTTATATTCTCTTGTGAGAACACAAACATTT
GTTAATTGCTCAGTAGTGGCAGCAGTAAGGACAATGTACCAATCACTCTCTGTATTGCT
GTTTCCAACCTGTTGTTTTGACCCATAGTTTACTACTTTACATCGGACACAATTCAGAAT
TCAATAAAAAATGAAAACTGGTCTGTGAGGAGAAGTGACTTCAGATTCTCTGAAGTTCAT
GGTGCAGAGAATTTTATTCAGCATAACCTACAGACCTTAAAAAGTAAGATATTTGACAAT
GAATCTGCTGCCTGA
```

Clone variation with respect to NM\_005767.5



[View online »](#)

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_005767 unedited  
 GTTAGGATTTGTATACGACTCATATAGGGCGGCCGCGATTTCGGCACGAGGNAAAAAGCA  
 AGAAGTAAAAATGGGACAAATTGGGAATGTTAAGTCTCTGAAACTCTGCCTTAAAAAGA  
 AAATAAGATTGATAACTTAAGCTTAACATTCTGAGGCATAAAGAAACATTAACCTTGGAG  
 TATTCATCTTGACTACTGAAATACAAGTTTAGAAGACAAGTGGTTTCATTCTGGTCACAG  
 ATCACAGCTTTTCTTAAATTTATAATCCTATGGGTTGGACTCGTTGACTGTATTTTTTA  
 AAGGTTGCTCGTCAGTTAACTGAGCCTTGAATTCATGGATTTTCTAAAGACTAACAAAT  
 GAAAAATTTTTCTGTTGAAGAACCAGCGGAAATTTTACAGCAACAAATTTTCATGTTTC  
 TTTTGGGTATTTCTGAGAAAAAGGAAATTTTATAAAAACCATCCAAAGATCCAGATAATT  
 TGCAAATAAATTGGAGGTTATAGAGGTTATAATCTGAATCCCAAAGGAGACTGCAGCTGA  
 TGAAAGTGCTTCCAACTGAAAATTGGACGTGCCTTTACGATGGTAAGCGTTAACAGCTC  
 CCACTGCTTCTATAATGACTCCTTTAAGTACACTTTGTATGGGTGCATGTTTCAGCATGGT  
 GTTTGTGCTTGGGTTAATATCCAATTGTGTGCCATATACATTTTCATCTGCGTCCTCAA  
 AGTCCGAAATGAACTACAACCTTACATGATTAACCTGGCAATGTCAGACTTGCTTTTTGT  
 TTTTACTTTACCCTTTCAGATTTTNTACTTCACAACACGNAAAAATGCCATTTGGNAGAT  
 TTACTIONTTGTAGATTTCTGTGATGGCTGTTTATACCAACATGTACGGAAGCATTCTGTTC  
 TTACCTGTATAGTGTAGATCGATTCTGGCAT

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_005767 unedited  
 ATGACC CGCGCAGCTTTTTCTAAATACGAGTTTTTTTTTTTTTTTTTTTAACTTTAAAA  
 GATTTTTTTAATGAAGGAACAAATCAAAAGGCTCAGAAAAATCAGATGGAGTGGATACAC  
 AAATAAAATACATGTTAATGCTTAACACATTGAATACAAATTTCTTTATACTAAAGACT  
 TAAAAATGTCATGTGTTAATTTCTTTTGGAGGTGAAAAATAGTTTGTCCAAAAAGACA  
 CTTTTACAGTTGAAGGAACTTGAAAGTTCTGTCCAGTGAGTCCTAATGGTTTTATTTTC  
 AGGCAGCAGATTCATTGTCAAATATCTTACTTTTTAAGGTCTGTAGGTTATGCTGAATAA  
 AATTCTCTGCACCATGAACTTCAGAGAATCTGAAGTCACTTCTCCTGACAGACCAGTTTT  
 TCATTTCTATTGAATTCTGAATTGTGTCGGATGTAAGTAGCAAATATAGGGTCAAAAC  
 AACAGTTGGAAACAGCAATACAGAGAGTGATTGGGTACATTGTCCTTACTGCTGCCACTA  
 CTGAGCAATTAACAAATGTTTGTGTTCTCACAAGAGAATATAAAATAAGATTGATATTGT  
 AAGGAACAAAACAGAAACAGAATATGATCAAATGTACAAAAATCATTTTTAAACCTTAG  
 TTTTGTATTTTGTCTTACTTAATGTAACAGGCTTGGTTAAAGTTTTTTAGCACCCCTA  
 CTATAACACGTACCTTTAAAATTAGAGGAATAAAAAATCCCACTATCTCCATGAAATTAC  
 AATCCTTGAAAGAACTGTTTTCACTGTGGCTCCTTGAAAATTTTCAAAGCAGCTTCTGAG  
 GCATTGTTACCCTGAAAGGTGGTAACTGAACAAATACAGCTGGTGCCTCTCCTCCATTA  
 CCGTTAACACAACGCCATGCAAAATATCTTGCTTTCTCTTGGCCCTAAAACCTTTGACTTA  
 AAGGCAACAATTGCCAGAAACGACTAACTAATCCAGTAATACAGATGCG

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_005767

**Insert Size:**

1700 bp

**OTI Disclaimer:**

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**OTI Annotation:**

A TrueClone.

**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).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
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.

**RefSeq:** [NM\\_005767.3](#), [NP\\_005758.2](#)

**RefSeq Size:** 2097 bp

**RefSeq ORF:** 1035 bp

**Locus ID:** 10161

**UniProt ID:** [P43657](#)

**Cytogenetics:** 13q14.2

**Domains:** 7tm\_1

**Protein Families:** Druggable Genome, GPCR, Transmembrane

**Protein Pathways:** Neuroactive ligand-receptor interaction

**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]  
Transcript Variant: This variant (1) represents the longest transcript. Variants 1, 2, and 3 encode the same protein.