

Product datasheet for **SC116802**

P2Y9 (LPAR4) (NM_005296) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	P2Y9 (LPAR4) (NM_005296) Human Untagged Clone
Tag:	Tag Free
Symbol:	P2Y9
Synonyms:	GPR23; LPA4; P2RY9; P2Y5-LIKE; P2Y9
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_005296, RT-PCR generated
ATGGGTGACAGAAGATTCATTGACTTCCAATCCAAGATTCAAATCAAGCCTCAGACCC
AGGTTGGCAATGCTACTGCCAATAATACTTGCATTGTTGATTCCTTCAAGTATAAT
CTCAATGGTGCTGTCTACAGTGTGTATTTCATCTTGGGTCTGATAACCAACAGTGTCTCT
CTGTTTGTCTTCTGTTTCCGCATGAAAATGAGAAGTGAGACTGCTATTTTTATACCAAT
CTAGCTGTCTCTGATTTGCTTTTTGTCTGTACTACTCTTTAAAATATTTTACAACCTC
AACCGCCACTGGCCTTTTGGTGACACCCTCTGCAAGATCTCTGGAAGTGCATTCTTACC
AACATCTATGGGAGCATGCTCTTTCTCACCTGTATTAGTGTGGATCGTTTCTGGCCATT
GTCTATCCTTTTCGATCTCGTACTATTAGGACTAGGAGGAATTCTGCCATTGTGTGTCT
GGTGTCTGGATCCTAGTCTCAGTGGCGGTATTTTCAGCCTCTTTGTTTTCCACCCTAAT
GTCAACAATGCAACCACCACCTGCTTTGAAGGCTTCTCCAACGTGTCTGGAAGACTTAT
TTATCCAAGATCACAAATATTTATTGAAGTTGTTGGGTTTATCATTCTCTAATATTGAAT
GTCTCTTGCTCTTCTGTGGTCTGAGAAGTCTTCGCAAGCCTGCTACTCTGTCTCAAATT
GGGACCAATAAGAAAAAGTACTGAAAATGATCACAGTACATATGGCAGTCTTTGTGGTA
TGCTTTGTACCCTACAACCTCTGTCTCTTCTTGTATGCCCTGGTGCCTCCCAAGCTATT
ACTAATTGCTTTTTGGAAAGATTTGCAAAGATCATGTACCAATCACCTTGTGCCTTGCA
ACTCTGAACTGTTGTTTTGACCCCTTTCATCTATTACTTACCCTTGAATCCTTTTCAGAAG
TCCTTCTACATCAATGCCACATCAGAATGGAGTCCCTGTTTAAGACTGAAACACCTTTG
ACCACAAAGCCTTCCCTTCCAGCTATTTCAAGAGGAAGTGAAGTATCAAACAACAAATAAT
GGTGGTGAATTAATGCTAGAATCCACCTTTTAG



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_005296 unedited GGGACTTAGAATTTGTAACGATTACTATAGGCGGCCGGAATCATTCTGGTACCGAGCT CGGATCCACTAGTAACGGCCGCCAGTGTGCTGGAATTCGGCTTATGGGTGACAGAAGATT CATTGACTTCCAATTCGAAGATTCAAATCAAGCCTCAGACCCAGGTTGGGCAATGCTAC TGCCAATAACTTGCATTGTTGATGATTCCTCAAGTATAATCTCAATGGTGTCTGCTA CAGTGTGTATTTCATCTTGGGTCTGATAACCAACAGTGTCTCTGTGTTGCTTCTGTTT CCGCATGAAAATGAGAAGTGAGACTGCTATTTTTATCACC AATCTAGCTGTCTCTGATTT GCTTTTTGTCTGTACACTACCTTTTAAAAATATTTTACAACCTTCAACCGCCACTGGCCTTT TGGTGACACCCTCTGCAAGATCTCTGGAAGTGCATTCTTACCAACATCTATGGGAGCAT GCTCTTTCTCACCTGTATTAGTGTGGATCGTTTCTGGCCATTGTCTATCCTTTTCGATC TCGTAATAAGGACTAGGAGGAATTCTGCCATTGTGTGTGCTGGTGTCTGGATCCTAGT CCTCAGTGGCGGTATTTACAGCCTCTTTGTTTCCACCCTAATGTCAACAATGCAACCAC CACCTGCTTTGAAGGCTTCTCAAACGTGTCTGGAAGACTATTTATCCAAGATCACAAT ATTTATTGAAGTTGTTGGGTTTATCATTCTCTAATATTGAATGTCTCTTGTCTTCTGT GGTGTGAGAAGTCTTCCGAAGCCTGCTACTCTGTCTCAATTGGGACCAAAAGAAAAAGT ACTGAAATGATCAGTACTATGGCAGTCTTTGTGTATGCTTTGTACCTACACTCTGTCTC TTCTGTATGCCCTGTGCG
Restriction Sites:	Please inquire
ACCN:	NM_005296
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).
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:	<ol style="list-style-type: none"> 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_005296.1 , NP_005287.1
RefSeq Size:	2299 bp
RefSeq ORF:	1113 bp
Locus ID:	2846
UniProt ID:	Q99677
Cytogenetics:	Xq21.1
Protein Families:	Druggable Genome, GPCR, Transmembrane
Protein Pathways:	Neuroactive ligand-receptor interaction

Gene Summary:

This gene encodes a member of the lysophosphatidic acid receptor family. It may also be related to the P2Y receptors, a family of receptors that bind purine and pyrimidine nucleotides and are coupled to G proteins. The encoded protein may play a role in monocytic differentiation. [provided by RefSeq, Feb 2009]

Transcript Variant: This variant (2) lacks alternate exons in the 5'UTR. Variants 1 and 2 encode the same protein.