

## Product datasheet for **SC110395**

### **P2Y10 (P2RY10) (NM\_014499) Human Untagged Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	P2Y10 (P2RY10) (NM_014499) Human Untagged Clone
Tag:	Tag Free
Symbol:	P2Y10
Synonyms:	LYPSR2; P2Y10
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC110395 sequence for NM_014499 edited (data generated by NextGen Sequencing)

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ATGGCTAACCTTGACAAATACACTGAAACATTCAAGATGGGTAGCAACAGTACCAGCACT
GCTGAGATTTACTGTAATGTCACTAATGTGAAATTTCAATACTCCCTCTATGCAACCACC
TATATCCTCATATTCATTCTGGTCTTCTGGCTAACAGTGCAGCCTTGTGGGTTCTGTGC
CGCTTCATCAGCAAGAAAAATAAGCCATCATTTTCATGATCAACCTCTCTGTGGCTGAC
CTTGCTCATGTATTATCTTTACCCCTCCGGATTTACTATTACATCAGCCACCACTGGCCT
TTCCAGAGAGCCCTTTGCCTGCTCTGCTTCTACCTGAAGTATCTCAACATGTATGCCAGC
ATTTGTTTCCTGACGTGCATCAGTCTTCAAAGGTGCTTTTTTCTCCTCAAGCCCTTCAGG
GCCAGAGACTGGAAGCGTAGGTACGATGTGGGCATCAGTGTGCCATCTGGATCGTTGTG
GGGACTGCCTGTTTGCCATTTCCCATCCTGAGAAGCACAGACTTAAACAACAACAAGTCC
TGCTTTGCTGATCTTGGATACAAGCAAATGAATGCAGTTGCGTTGGTCCGGATGATTACA
GTTGCTGAGCTTGCAAGATTTGTGATCCCAAGTATCATCATCGCATGGTGTACCTGGAAA
ACTACTATATCCTTGAGACAGCCACCAATGGCTTTCCAAGGGATCAGTGAGAGGCAGAAA
GCACTGCGGATGGTGTTCATGTGTGCTGCAGTCTTCTTCATCTGCTTCACTCCCTATCAT
ATTAACTTATTTTTTACACCATGGTAAAGGAAACCATCATTAGCAGTTGCCCCGTTGTC
CGAATCGCACTGTATTTCCACCCTTTTTGCCTGTGCCTTGCAAGTCTCTGCTGCCTTTTG
GATCCAATTCTTTATTACTTTATGGCTTCAGAGTTTCGTGACCAACTATCCCGCCATGGC
AGTTCTGTGACCCGCTCCCGCCTCATGAGCAAGGAGAGTGGTTCATCAATGATTGGCTAA

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Clone variation with respect to NM\_014499.2



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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_014499 unedited  
 GTCCTTTGGATATTTGTAATCCGNACTTTACTATGAGGGNCCGGCCGCAATTCGGCA  
 CCAGGCTTTTACTCCCTTACTCCCTGCAAANAACAAGAGTGCTTATCCCAGCTAAGCTC  
 CAGGGTAATGTTATCATGACAGCTTCAACTTTTAGACCACAGGCAATGCTTTGAACCAT  
 AAATCCATGGCTAACCTTGACAAATACACTGAAACATTCAAGATGGGTAGCAACAGTACC  
 AGCACTGCTGAGATTTACTGTAATGTCACTAATGTGAAATTTCAATACTCCCTCTATGCA  
 ACCACCTATATCCTCATATTCATTCTGGTCTTCTGGCTAACAGTGCAGCCTTGTGGGTT  
 CTGTGCCGCTTTCATCAGCAAGAAAAATAAAGCCATCATTTTCATGATCAACCTCTGTG  
 GCTGACCTTGCTCATGTATTATCTTTACCCCTCCGGATTTACTATTACATCAGCCACCAC  
 TGGCCTTTCCAGAGAGCCCTTTGCCTGCTCTGCTTCTACCTGAAGTATCTCAACATGTAT  
 GCCAGCATTTGTTTCTGACGTGCATCAGTCTTCAAAGGTGCTTTTTTCTCTCAAGCCC  
 TTCAGGGCCAGAGACTGGAAGCGTAGGTACGATGTGGGCATCAGTGCCTGCTGGATC  
 GTTGTGGGACTGCCTGTTTCCATTTCCATCCTGAGAAGCACAGACTTAAACAAACAA  
 CAGTACTGCTTTGCTGATCTTGATACAAGCAAATGAATGCAGNTGCGTTGGTCGGGATG  
 ATTACAGNTGCTGAGCTGCAGGATTGTGATCCAGTGCATCATCGCATGGTGTACC  
 CTGGAACCTACTATATNCTTGANCAGNCACCATGGGCTTTCAGGGATCAGTGAGAGCAAAA  
 GCACTGCGATGGTGCATGTGTGCTGCAGNCTTCTCATCTGCTCACTNCCTACATA

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_014499 unedited  
 NTTTTACTNTAGNACCGCGNCCGCATNCTAAGATCGGGTTTTTTTTTTTTTTTTTAA  
 GGTAAACTATTCAACTTTTAATTACATCTGTAAAACTTGATCTAGNNNNNTANNTAANA  
 AAGGGCTTGAATTTTAAAGAGGAATCAGGAAATCTATTTTCTTCTCTCTCACGTT  
 TTTCACTCTGCCTTACCATCACACCCCTGTTGACTGTGAATATTACAAAAAGTACT  
 TATTCCTGTTTTTACAATGTTCAATTAAGAAATTTGGTTGACAATTCTGGCCTTTGGAA  
 AAAGACAAGGAACGTAGGTAAACAAAGGCGTAATTAAGAGATATCTTAATTTTAGCCAA  
 TCATTGATGAACCACTCTCCTTGCTCATGAGGCGGGAGCGGGTCACAGAAGTCCATGGC  
 GGGATAGTTGGTCACGAACTCTGAAGCCATAAAGTAATAAAGAATTGGATCCAAAAGGC  
 AGCAGAGACTTGAAGGCACAGGCAAAAAGGTTGAAATACAGTGCATTTCGGACAACGG  
 GACAACCTGCTAATGATGGTTTCCCTTACCATGGTGTAAAAATAAAGTTAATATGATAGG  
 GAGTGAAGCAGATGAAGAAGACTGCAGCACACATGAACACCATCCGCAGGGCTTTCTGCC  
 TCTCACTGATCCCTTGGAAAGCCATTGCTGGGCTGTCTCAAGGATATAATAGTTTTCCAG  
 GTACACCATGCGATGATGATCACTGGGGATCACAATCCTGCAAGCTCAGCAACTGTAAT  
 TATCCCGACCAACGCAACTGCATTCAATTTGCTTGATTCAAGATCAGCAAAGCAGACTTG  
 TTGGTGGTTAAGTCTGTGCTTCTCACGATGGGAAAGGCAACAGCAGTCCCCACACGATC  
 CAATAGCAGCACTGATGCCAACTCGTACCT

**Restriction Sites:**

ECoRI-NOT

**ACCN:**

NM\_014499

**Insert Size:**

1500 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).

**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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_014499.2</a> , <a href="#">NP_055314.1</a>
<b>RefSeq Size:</b>	1871 bp
<b>RefSeq ORF:</b>	1020 bp
<b>Locus ID:</b>	27334
<b>UniProt ID:</b>	<a href="#">O00398</a>
<b>Cytogenetics:</b>	Xq21.1
<b>Domains:</b>	7tm_1
<b>Protein Families:</b>	Druggable Genome, GPCR, Transmembrane
<b>Protein Pathways:</b>	Neuroactive ligand-receptor interaction
<b>Gene Summary:</b>	<p>The protein encoded by this gene belongs to the family of G-protein coupled receptors that are preferentially activated by adenosine and uridine nucleotides. There is a pseudogene for this gene nearby on chromosome X. Multiple alternatively spliced transcripts have been observed. [provided by RefSeq, Apr 2016]</p> <p>Transcript Variant: This variant (1) represents the longest transcript. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>