

## Product datasheet for **SC319357**

### **P2Y6 (P2RY6) (NM\_004154) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	P2Y6 (P2RY6) (NM_004154) Human Untagged Clone
Tag:	Tag Free
Symbol:	P2Y6
Synonyms:	P2Y6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_004154.3  
 GTCAGCATTGGTGTAAAGGACTGGAGCTTCAGGGTTCTCGGGATTCGAGTCTGGCCCTG  
 CTGCTTGCCAGCTCTGTGCTGTGGCAAGTTACTTCCTCTCCCCAGGTCTCTCGGTTTCT  
 CATCTGCTGCCTCTCCAGACTTCTGCCAGAACATTGCACGCGACAGTTTCAGGCACAGAA  
 CTGACTGGCAGCAGGGGCTGCTCCACGAGTGGGAATTTGCTCCAGCACTTCACGGACTGC  
 AAGCGAGGCACCTTGCTAACTCTTGGCCTCCCTGAACATAGGAAACCCACCTGGGCAGCCA  
 TGGAAATGGGACAATGGCACAGGCCAGGCTCTGGGCTTGCCACCCACCACCTGTGTCTACC  
 GCGAGAACTTCAAGCAACTGCTGCTGCCACCTGTGTATTTCGGCGGTGCTGGCGGCTGGCC  
 TGCCGCTGAACATCTGTGTCTATTACCCAGATCTGCACGTCCCGCCGGGCCCTGACCCGCA  
 CGGCCGTGTACACCCTAAACCTTGTCTGGCTGACCTGTATATGCCTGTCTCCCTGCCCC  
 TGCTCATCTACAATAATGCCAAGGTGATCACTGGCCCTTTGGCGACTTCGCTGCCGCC  
 TGGTCCGCTTCTCTTATGCCAACCTGCACGGCAGCATCTCTTCTCACCTGCATCA  
 GCTTCCAGCGCTACCTGGGCATCTGCCACCCGCTGGCCCCCTGGCACAACCTGGGGGCC  
 GCCGGGCTGCCTGGCTAGTGTGTAGCCGTGTGGCTGGCCGTGACAACCCAGTGCCTGC  
 CCACAGCCATCTTCGCTGCCACAGGCATCCAGCGTAACCCGCACTGTCTGCTATGACCTCA  
 GCCCGCTGCCCTGGCCACCCACTATATGCCCTATGGCATGGCTCTCACTGTCATCGGCT  
 TCCTGCTGCCCTTTGCTGCCCTGCTGGCCTGCTACTGTCTCTGGCCTGCCGCTGTGCC  
 GCCAGGATGGCCCGCAGAGCCTGTGGCCAGGAGCGGCGTGGCAAGGGGCCCGCATGG  
 CCGTGGTGGTGGCTGCTGCCTTTGCCATCAGCTTCTGCCTTTTACATCACCAAGACAG  
 CCTACCTGGCAGTGCCTCGACGCCGGGCGTCCCTGCACTGTATTGGAGGCCTTTGCAG  
 CGGCCTACAAAGGCACCGGGCCGTTTCCAGTGCCAACAGCGTGTGGACCCCATCTCT  
 TCTACTTCACCCAGAAGAAGTTCGCCCGGCGACCACATGAGCTCTACAGAAACTCACAG  
 CCAAATGGCAGAGGCAGGTCGCTGAGTCTCCAGTCTGGGCAGCCTCATATTTGCC  
 ATTGTGTCCGGGGCACCCAGGAGCCCAACCCAAACCATGCGGAGAATTAGAGTTCA  
 GCTCAGCTGGGCATGGAGTTAAGATCCCTCACAGGACCCAGAAGCTCACCAAAAATATT  
 TCTTACGCCCTTCTCTGGCCAGACCCTGTGGGCATGGAGATGGACAGACCTGGGCCTG  
 GCTCTTGAGAGGTCCCAGTCAAGCATGGAGAGCTGGGAAACCACATTAAGGTGCTCACA  
 AAAATACAGTGTGACGTGTACTGTATCAAGGGGTATGCTCCATGCTTTGAGTACCAAT  
 GAAGCGGGTGGGGAAGATGAGAGGGGGAGGTGAGAGCTTCTGGGAAGGGGCATTTGAGC  
 TGGGTTTTGAGGGATGATTATGAGCTCTCTGGAGAGGAGTGATATCCATTTATTTAGAA  
 AGCCTTTACTGACACCTTGTGCTCAGGCCTGTGTTGGTCTGGGGCCCTAGAAGAACCAG  
 TCCTAGCCCTGGTCCATACGGGCTCCCAACTGCTGGAAGTACAGACTGGCACAGCAACAT  
 CAGGGTTGTGACAGAGGGAAGCATGGCTGGGGGAGGGGTACACAGACAGTGCCATGA  
 CCCAGTCCAAGGAGTCAAGAAAGAGCTCTCTGAGGAGGGAGCATCTGAGCCAGATGTTGA  
 GGGCTGAGTGGGAACTTGGCAAGCAGAAGTGGGGAGCACTTTAATGCAACCCAGGTATGC  
 TCCATGCATATCCAGCTGGGCCAGCCTCGTGTGGGCTCTGCCCTGGGCAGACAGGCAGA  
 GGGCCAGAGCAGAGGACACATGGCCTTGCCTGTGTGAAAGCTGAGAAAATGGGAGCTGTG  
 CTTGAGGATTAAGCGGCGGAAGCTTCTTAGAAGAGGCAGGGGGCAGAGTGCAGTGGCT  
 CATGCCTGTAATCTCAGCAATTTGGGAGGCCAAGGAAGGAGGAATGCTTGAAGCCCAAGAG  
 TTTTAGACCAGCCTGGGCAACACAGTAAGACCCTGTTTCTACAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_004154

**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).

<b>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<b>Components:</b>	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_004154.3</a> , <a href="#">NP_004145.1</a>
<b>RefSeq Size:</b>	2400 bp
<b>RefSeq ORF:</b>	987 bp
<b>Locus ID:</b>	5031
<b>Cytogenetics:</b>	11q13.4
<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 product of this gene belongs to the family of P2 receptors, which is activated by extracellular nucleotides and subdivided into P2X ligand-gated ion channels and P2Y G-protein coupled receptors. This family has several receptor subtypes with different pharmacological selectivity, which overlaps in some cases, for various adenosine and uridine nucleotides. This receptor, which is a G-protein coupled receptor, is responsive to UDP, partially responsive to UTP and ADP, and not responsive to ATP. It is proposed that this receptor mediates inflammatory responses. Alternative splicing results in multiple transcript variants that encode different protein isoforms. [provided by RefSeq, Mar 2013]</p> <p>Transcript Variant: This variant (4) differs in the 5' UTR and 3' UTR compared to variant 1. All variants (1,2,3,4) encode the same isoform.</p>