

## Product datasheet for **SC320606**

### **P2Y6 (P2RY6) (NM\_176797) Human Untagged Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	P2Y6 (P2RY6) (NM_176797) 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)

**Fully Sequenced ORF:** >OriGene sequence for NM\_176797.1  
GCTGCTTGCCAGCTCTGTGCTGTGGCAAGTTACTTCTCTCCCCAGGTCTCTCGGTTTCC  
TCATCTGCTGCCTCTCCAGACTTCTGCCAGAACATTGCACGCGACAGTTTCAGGCACAGA  
ACTGACTGGCAGCAGGGGCTGCTCCACGAGTGGGAATTTGCTCCAGCACTTCCAGGACTG  
CAAGCGAGGCACTTGCTAACTCTTGGCCTCCCTGAACATAGGAAAACCCACCTGGGAGCC  
ATGGAATGGGACAATGGCACAGGCCAGGCTCTGGGCTTGCACCCACCACCTGTGTCTAC  
CGCGAGAACTTCAAGCAACTGCTGCTGCCACCTGTGTATTGCGCGGTGCTGGCGGCTGGC  
CTGCCGCTGAACATCTGTGTCATTACCCAGATCTGCACGTCGCCGCGGGCCCTGACCCGC  
ACGGCCGTGTACACCCTAAACCTTGTCTGGCTGACCTGCTATATGCCTGCTCCCTGCC  
CTGCTCATCTACAATATGCCAAGGTGATCACTGGCCCTTTGGCGACTTCGCTGCCGC  
CTGGTCCGCTTCTCTTCTATGCCAACCTGCACGGCAGCATCCTTCTCTCACCTGCATC  
AGCTTCCAGCGCTACCTGGGCATCTGCCACCCGCTGGCCCTTGGCACAACGTTGGGGC  
CGCCGGGCTGCCTGGCTAGTGTGTGTAGCCGTGTGGCTGGCCGTGACAACCCAGTGCCTG  
CCCACAGCCATCTTCGCTGCCACAGGCATCCAGCGTAACCGCACTGTCTGCTATGACCTC  
AGCCCCGCTGCCCTGGCCACCCACTATATGCCCTATGGCATGGCTCTCACTGTATCGGC  
TTCTGCTGCCCTTTGCTGCCCTGCTGGCTGCTACTGTCTCTGGCCTGCCGCTGTGC  
CGCCAGGATGGCCCGCAGAGCCTGTGGCCAGGAGCGGCGTGGCAAGGCGGCCCGCATG  
GCCGTGGTGGTGGCTGCTGCCTTTGCCATCAGCTTCTGCCTTTTCACATCACCAAGACA  
GCCTACCTGGCAGTGGCTCGACGCGGGCGTCCCCTGCACTGTATTGGAGGCCCTTGCA  
GCGGCCTACAAAGGCACGCGGCCGTTTGGCAGTGCCAACAGCGTGTGGACCCCATCCTC  
TTCTACTTCAACCCAGAAGAAGTTCGCCGGCGACCACATGAGCTCCTACAGAAACTCACA  
GCCAATGGCAGAGGCAGGGTCGCTGAGTCTCCAGGTCCTGGCAGCCTTCATATTTGC  
CATTGTGTCGGGGCACCAGGAGCCCCACCAACCCCAAACCATGCGGAGAATTAGAGTTC  
AGCTCAGCTGGGCATGGAGTTAAGATCCCTCACAGGACCCAGAAGCTCACAAAAACTAT  
TTCTTCAGCCCCCTTCTGCCCCAGACCCTGTGGGCATGGAGATGGACAGACCTGGGCT  
GGCTCTTGAGAGGTCCCAGTCAGCCATGGAGAGCTGGGAAACCACATTAAGGTGCTCAC  
AAAAATACAGTGTGACGTGACTGTCAAAAAAAAAAAAAAAAAAAAAA



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<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_176797
<b>OTI Disclaimer:</b>	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_176797.1</a> , <a href="#">NP_789767.1</a>
<b>RefSeq Size:</b>	1555 bp
<b>RefSeq ORF:</b>	987 bp
<b>Locus ID:</b>	5031
<b>UniProt ID:</b>	<a href="#">Q15077</a>
<b>Cytogenetics:</b>	11q13.4
<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 (1) represents the shortest transcript. Variants 1,2,3,5,6,7, and 8 encode the same isoform (1).</p>