

## Product datasheet for **SC335364**

### **P2Y6 (P2RY6) (NM\_001277205) Human Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** P2Y6 (P2RY6) (NM\_001277205) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** P2RY6  
**Synonyms:** P2Y6  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC335364 representing NM\_001277205.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

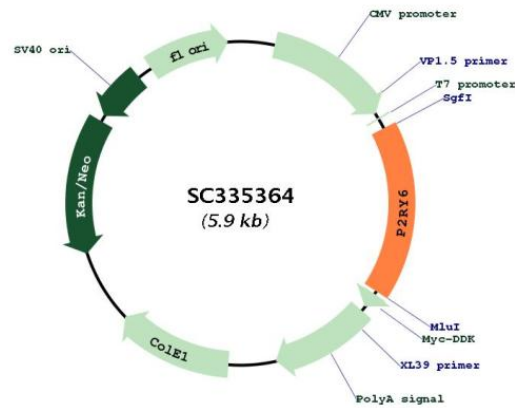
```
ATGGAATGGGACAATGGCACAGGCCAGGCTCTGGGCTTGCCACCCACCACCTGTGTCTACCGCGAGAAC
TTCAAGCAACTGCTGCTGCCACCTGTGTATTCGGCGGTGCTGGCGGCTGGCCTGCCGCTGAACATCTGT
GTCATTACCCAGATCTGCACGTCCCGCCGGGCCCTGACCCGCACGGCCGTGTACACCCTAACCTTGCT
CTGGCTGACCTGCTATATGCCTGCTCCCTGCCCTGCTCATCTACAACCTATGCCAAGGTGATCACTGG
CCCTTTGGCGACTTCGCCTGCCGCTGGTCCGCTTCTCTTCTATGCCAACCTGCACGGCAGCATCCTC
TTCCTCACCTGCATCAGCTTCCAGCGCTACCTGGGCATCTGCCACCCGCTGGCCCTGGCACAAACGT
GGGGGCCCGGGCTGCCTGGCTAGTGTGTGTAGCCGTGTGGCTGGCCGTGACAACCCAGTGCCTGCC
ACAGCCATCTTCGCTGCCACAGGCATCCAGCGTAACCGCACTGTCTGCTATGACCTCAGCCCGCCTGCC
CTGGCCACCCACTATATGCCCTATGGCATGGCTCTCACTGTCTCGGCTTCTGTGCTGCCCTTTGCTGCC
CTGCTGGCCTGCTACTGTCTCCTGGCCTGCCGCTGTGCCGCCAGGATGGCCCGGAGAGCCTGTGGCC
CAGGAGCGGCGTGGCAAGGCGGCCCGCATGGCCGTGGTGGTGGCTGTGCCTTTGCCATCAGCTTCTGTG
CCTTTTACATCACCAAGACAGCCTACCTGGCAGTGGCCTCGACGCCGGGCGTCCCCTGCACTGTATTG
GAGGCCTTTGCAGCGCCTACAAAGGCACGCGGCCGTTTGGCAGTGCCAACAGCGTGTGGACCCCATC
CTCTTCTACTTCACCCAGAAGAAGTTCGCCGGCGACCACATGAGCTCCTACAGAAACTCACAGCCAAA
TGGCAGAGGCAGGGTCGCTGA
```

**Restriction Sites:** Sgfl-Mlul



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## Plasmid Map:



ACCN: NM\_001277205

Insert Size: 987 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).

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\\_001277205.1](#)

RefSeq Size:	2499 bp
RefSeq ORF:	987 bp
Locus ID:	5031
UniProt ID:	<a href="#">Q15077</a>
Cytogenetics:	11q13.4
Protein Families:	Druggable Genome, GPCR, Transmembrane
Protein Pathways:	Neuroactive ligand-receptor interaction
MW:	36.4 kDa
Gene Summary:	<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 (6) differs in the 5' UTR compared to variant 1. Variants 1,2,3,5,6,7, and 8 encode the same isoform (1).</p>