

## Product datasheet for SC106990

### P2Y12 (P2RY12) (NM\_176876) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	P2Y12 (P2RY12) (NM_176876) Human Untagged Clone
Tag:	Tag Free
Symbol:	P2Y12
Synonyms:	ADPG-R; BDPLT8; HORK3; P2T(AC); P2Y(12)R; P2Y(AC); P2Y(ADP); P2Y(cyc); P2Y12; SP1999
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_176876, the custom clone sequence may differ by one or more nucleotides

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ATGCAAGCCGTCGACAACCTCACCTCTGCGCCTGGTAACACCAGTCTGTGCACCAGAGACTACAAAATCA
CCCAGGTCCTCTCCCACTGCTCTACACTGCTCTGTTTTTTGTTGGACTTATCACAAATGGCCTGGCGAT
GAGGATTTTCTTTCAAATCCGGAGTAAATCAAACCTTTATTTTTTTCTTAAGAACACAGTCATTTCTGAT
CTTCTCATGATTCTGACTTTTCCATTCAAATTTCTAGTGATGCCAAACTGGGAACAGGACCACTGAGAA
CTTTTGTGTGCAAGTTACCTCCGTCATATTTTATTTTACAATGTATATCAGTATTTTCATTCCTGGGACT
GATAACTATCGATCGCTACCAGAAGACCACCAGGCCATTTAAAACATCCAACCCCAAAAATCTCTGGGG
GCTAAGATTCTCTGTTGTCATCTGGGCATTCATGTTCTTACTCTCTTTGCCTAACATGATTCTGACCA
ACAGGCAGCCGAGAGACAAGAATGTGAAGAAATGCTCTTTCCCTTAAATCAGAGTTCGGTCTAGTCTGGCA
TGAAATAGTAAATTACATCTGTCAAGTCATTTTCTGGATTAATTTCTTAATTGTTATTGTATGTTATACA
CTCATTACAAAAGAACTGTACCGGTCATACGTAAGAACGAGGGGTGTAGGTAAAGTCCCCAGGAAAAAGG
TGAACGTCAAAGTTTTTCATTATCATTGCTGTATTCTTTATTTGTTTTGTTCCCTTTCCATTTTGCCCGAAT
TCCTTACACCCTGAGCCAAACCCGGATGTCTTTGACTGCACTGCTGAAAATACTCTGTTCTATGTGAAA
GAGAGCACTCTGTGGTTAACTTCCTTAAATGCATGCCTGGATCCGTTTCATCTATTTTTTCCCTTTGCAAGT
CCTTCAGAAATTCCTTGATAAGTATGCTGAAGTGCCCCAATTCGCAACATCTCTGTCCCAGGACAATAG
GAAAAAAGAACAGGATGGTGGTGACCCAATGAAGAGACTCCAATGTAA
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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_176876 unedited  
 CCCGTCAGAATTGTAAACGATCATATAGGCGGCCGCGAAATCGGCACGAGGGGCAGAACA  
 GAACACTTTTCTCATGTCCAGGGTCAGATTACAAGAGCACTCAAGACTTTACTGACGAAAA  
 CTCAGGAAATCCTCTATCACAAAGAGGTTTGGCAACTAACTAAGACATTAAGGAAAA  
 TACCAGATGCCACTCTGCAGGCTGCAATAACTACTACTTACTGGATACATTCAAACCTC  
 CAGAATCAACAGTTATCAGGTAACCAACAAGAAATGCAAGCCGTGACAACTCACCTCT  
 GCGCCTGGGAACACCAGTCTGTGCACCAGAGACTACAAAATCACCCAGGTCCTCTTCCCA  
 CTGCTCTACACTGTCCTGTTTTTTGTTGGACTTATCACAATGGCCTGGCGATGAGGATT  
 TTCTTTCAAATCCGGAGTAAATCAAACCTTATTATTTTTCTTAAGAACACAGTCATTTC  
 GATCTTCTCATGAGTCTGACTTTTCCATTCAAATTTCTTAGTGATGCCAACTGGGAACA  
 GGACCACTGAGAACTTTTGTGTGCAAGTTACCTCCGTCATATTTTATTTCAATGTAT  
 ATCAGTATTTTCTTCTGGGACTGATAACTATCGATCGCTACCAGAAGACCACCAGGCCA  
 TTTAAACATCCAACCCAAAAATCTCTTGGGGGCTAAGAGTCTCTGTGTGTCATCTGG  
 GCATTCATGTTCTTACTCTTTTGCCTAACATGACTCTGACCAACAGGCAGCCGAGAGAC  
 AAGAATGTGAAGCAATGCTCTTTTCTTAAATCAGAGNTCGGTCTAGTCTGGCATGACATA  
 GTAAAGTCCCAGGAACAAGGTGCATGTCAAAGATTTTATTATCCATGCTGNAGTCTTAA  
 TTGCTTTGTN

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_176876 unedited  
 TGGACCGCGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTAGAGTTTAAATGTA  
 AATTTTGTATTTTATACACCAATACAAACAAGTAATTACAAACAGATCAATCACTTTC  
 CTCTCAGTAGTTATGCTGTGCAACTTTGTAATCATATTTAATTAATTTTTTCACTAAGG  
 TAAAATGTTTCATTAACCTAATTAGCAGCTATTTTCTAGAAGCTAATTAATAAAGGTAAGT  
 GTCAGTGATGGTATTATTGAAGTTGTAATAAATTAGTAAACTAGTTTCTCTAGAATTA  
 GGAAATATTTCTATATTTTTTAGTATTAGAATGCATAAAAGTAAAGTCTCCTATTTTAA  
 TGACTTCGATATTTCTTCTTTTATTGTAAGGCTTCTTTAAATCTTTATCTTCTAAAT  
 AAACATAAAAAATTAAGTCCAATCAAATACAGTTTCAATTAGTTTAAATCCCTTAGGTTT  
 TTGCTAATAATGAAAAGTTAATAGTTATTATTCTTTGTGTATCCCACTTACTTAAATTTT  
 TATAAGTATCCCAATAGGTCAGGATTTGGTTAGGGGACTAGGATATATATACATTTTAA  
 TATCATTTTTGGTAAGAAGATTATATCCAATTGATCGTTCCTTCTTAGTTGATTATGAAA  
 AAATAAAATTTGTAACGATAATGATTTTTAAAAATTACAGTAAATATTATATGATTACT  
 ATTTTGGCAAAACTCTGCAAAACATGAATTCTGTGTAGTTTTGCATGCAGCATGACAATT  
 GGATGTCGTTTGTGCTGCTAATACAGCTACAGTNTAGATTAGTNTTCTATATTTTAA  
 GATAGCTTNTCATACTGGAAAGGTAATGANAANNTGCTTTNNGTATCTNCTGNTCTTT  
 AGAGNCATTATTATTAACNAGNNTGCTCNCGNCANTAAA

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_176876

**Insert Size:**

2190 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_176876.1</a> , <a href="#">NP_795345.1</a>
<b>RefSeq Size:</b>	1474 bp
<b>RefSeq ORF:</b>	1029 bp
<b>Locus ID:</b>	64805
<b>UniProt ID:</b>	<a href="#">Q9H244</a>
<b>Cytogenetics:</b>	3q25.1
<b>Protein Families:</b>	Druggable Genome, GPCR, Transmembrane
<b>Gene Summary:</b>	<p>The product of this gene belongs to the family of 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 is involved in platelet aggregation, and is a potential target for the treatment of thromboembolisms and other clotting disorders. Mutations in this gene are implicated in bleeding disorder, platelet type 8 (BDPLT8). Alternative splicing results in multiple transcript variants of this gene. [provided by RefSeq, Jul 2013]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 encode the same protein.</p>