

## Product datasheet for **SC319680**

### **P2Y12 (P2RY12) (NM\_022788) Human Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** P2Y12 (P2RY12) (NM\_022788) 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:** [pCMV6-XL5](#)  
**E. coli Selection:** Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_022788.3  
 ATCACAATCAGAAGACAGGAGCTGCAGAACAGAACTTTCTCATGTCCAGGGTCAGATT  
 ACAAGAGCACTCAAGACTTTACTGACGAAAACCTCAGGAAATCCTCTATCACAAGAGGTT  
 TGGCAACTAAACTAAGACATTAAGGAAAATACCAGATGCCACTCTGCAGGCTGCAATA  
 ACTACTACTTACTGGATACATTCAAACCTCCAGAATCAACAGTTATCAGGTAACCAACA  
 AGAAATGCAAGCCGTCGACAATCTCACCTCTGCGCCTGGGAACACCAGTCTGTGCCAG  
 AGACTACAAAATCACCCAGGTCCTTCCCCTGCTCTACACTGCTCTGTTTTTTGTTGG  
 ACTTATCACAATGGCCTGGCGATGAGGATTTTCTTTCAAATCCGGAGTAAATCAAACCT  
 TATTATTTTTCTAAGAACACAGTCATTTCTGATCTTCTCATGATTCTGACTTTTCCATT  
 CAAAATCTTAGTGATGCCAAACTGGGAACAGGACCACTGAGAACTTTTGTGTGCAAGT  
 TACCTCCGTCATATTTATTTACAATGTATATCAGTATTTCACTTCTGGGACTGATAAC  
 TATCGATCGCTACCAGAAGACCACCAGGCCATTTAAAACATCCAACCCCAAAAATCTCTT  
 GGGGGCTAAGATTCTCTCTGTTGTCATCTGGGCATTCATGTTCTTACTCTCTTTGCCTAA  
 CATGATTCTGACCAACAGGCAGCCGAGAGACAAGAATGTGAAGAAATGCTCTTTCCTTAA  
 ATCAGAGTTTCGGTCTAGTCTGGCATGAAATAGTAAATTACATCTGTCAAGTCATTTTCTG  
 GATTAATTTCTAATTGTTATTGTATGTTATACACTCATTACAAAAGAACTGTACCGGTC  
 ATACGTAAGAACGAGGGGTGTAGGTAAGTCCCCAGGAAAAGGTGAACGTCAAAGTTTT  
 CATTATCATTGCTGTATTTCTTTATTTGTTTTGTTTCCTTTCCATTTTGCCGAATTCCTTA  
 CACCCTGAGCCAACCCGGGATGCTTTGACTGCACTGCTGAAAATACTCTGTTCTATGT  
 GAAAGAGAGCACTCTGTGGTAACTTCTTAAATGCATGCCTGGATCCGTTTCATCTATTT  
 TTTCTTTGCAAGTCCTTCAGAAATTCCTTGATAAGTATGCTGAAGTGCCCAATTCTG  
 AACATCTCTGTCCAGGACAATAGGAAAAAGAACAGGATGGTGGTGACCCAAATGAAGA  
 GACTCCAATGTAACAAATTAACAAAGGAAATATTTCAATCTCTTTGTGTTTCAGAACTCG  
 TTAAGCAAAGCGCTAAGTAAAAATATTAACGACGAAGAAGCAACTAAGTTAATAATAA  
 TGACTCTAAAGAAAACAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire



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<b>ACCN:</b>	NM_022788
<b>OTI Disclaimer:</b>	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a></p>
<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_022788.3</a> , <a href="#">NP_073625.1</a>
<b>RefSeq Size:</b>	1502 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>Domains:</b>	7tm_1
<b>Protein Families:</b>	Druggable Genome, GPCR, Transmembrane

**Gene Summary:**

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]

Transcript Variant: This variant (1) represents the longer transcript. Variants 1 and 2 encode the same protein.