

Product datasheet for **SC336070**

P2Y6 (P2RY6) (NM_001277208) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	P2Y6 (P2RY6) (NM_001277208) Human Untagged Clone
Tag:	Tag Free
Symbol:	P2RY6
Synonyms:	P2Y6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC336070 representing NM_001277208. Blue=Insert sequence Red=Cloning site Green=Tag(s)

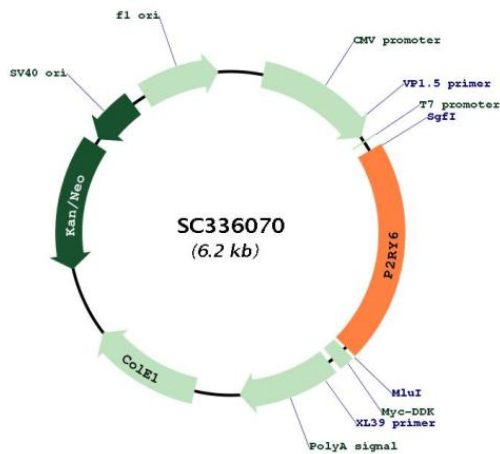
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GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGAGTCAGCATTGGTGTAAAGGACTGGAGCTTCAGGGTTCTCGGGATTCGAGTCTGGCCCTGCTGCT
TGCCAGCTCTGTGCTGTGGCAAGTTACTTCTCTCCCAAGGTTCTCGGTTTCTCATCTGCTGCCTCT
CCAGACTTCTGCCAGAACATTGCACGCGACAGTTTCAGGCACAGAAGTACTGGCAGCAGGGGCTGCTC
CACGAGTGGGAATTTGCTCCAGCACTTCACGGACTGCAAGCGAGGCACTTGCTAACTCTTGGCCTCCCT
GAACATAGGAAACCCACCTGGGCAGCCATGGAATGGGACAATGGCACAGGCCAGGCTCTGGGCTTGCCA
CCCACCACCTGTGTCTACCGCGAGAAGTCAAGCAACTGCTGCTGCCACCTGTGTATTGGCGGTGCTG
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TATGCCAAGTGCACGGCAGCATCCTCTTCTCACCTGCATCAGCTTCCAGCGCTACCTGGGCATCTGC
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GAGCTCTACAGAACTCACAGCCAAATGGCAGAGGCAGGGTCGCTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: Sgfl-MluI

Plasmid Map:



ACCN: NM_001277208

Insert Size: 1290 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_001277208.1](#)

RefSeq Size: 2466 bp

RefSeq ORF: 1290 bp

Locus ID: 5031

UniProt ID: [Q15077](#)

Cytogenetics: 11q13.4

Protein Families: Druggable Genome, GPCR, Transmembrane

Protein Pathways: Neuroactive ligand-receptor interaction

MW: 47.5 kDa

Gene Summary:

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]

Transcript Variant: This variant (9) contains an alternate 5'-most exon and initiates translation at an alternate start codon so that the 5' UTR and 5' coding region differ compared to variant 1. The encoded isoform (2) has a longer N-terminus than isoform 1.