

Product datasheet for **SC106992**

P2Y6 (P2RY6) (NM_176796) Human Untagged Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | P2Y6 (P2RY6) (NM_176796) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | P2Y6 |
| Synonyms: | P2Y6 |
| Mammalian Cell Selection: | None |
| Vector: | <u>pCMV6-XL4</u> |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| Fully Sequenced ORF: | >NCBI ORF sequence for NM_176796, the custom clone sequence may differ by one or more nucleotides |

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ATGGAATGGGACAATGGCACAGGCCAGGCTCTGGGCTTGCCACCCACCACCTGTGTCTACCGGAGAACT
TCAAGCAACTGCTGCTGCCACCTGTGTATTGCGCGGTGCTGGCGGCTGGCCTGCCGCTGAACATCTGTGT
CATTACCCAGATCTGCACGTCCCGCCGGGCCCTGACCCGCACGGCCGTGTACACCCTAACCTTGCTCTG
GCTGACCTGCTATATGCTGCTCCCTGCCCTGCTCATCTACAACCTATGCCCAAGGTGATCACTGGCCCT
TTGGCGACTTCGCTGCCGCTGGTCCGCTTCTCTTCTATGCCAACCTGCACGGCAGCATCCTCTTCT
CACCTGCATCAGCTTCCAGCGCTACCTGGGCATCTGCCACCCGCTGGCCCTGGCACAAACGTGGGGG
CGCCGGGCTGCCTGGCTAGTGTGTGTAGCCGTGTGGCTGGCCGTGACAACCCAGTGCCTGCCACAGCCA
TCTTCGCTGCCACAGGCATCCAGCGTAACCGCACTGTCTGCTATGACCTCAGCCCGCTGCCCTGGCCAC
CCTATATGCCCTATGGCATGGCTCTCACTGTATCGGCTTCTGCTGCCCTTTGCTGCCCTGCTGGCC
TGCTACTGTCTCCTGGCCTGCCGCTGTGCCGCCAGGATGGCCCGGCAGAGCCTGTGGCCAGGAGCGGC
GTGGCAAGGCGGCCCGCATGGCCGTGGTGGTGGCTGCTGCCTTTGCCATCAGCTTCTGCTTTTACAT
CACCAAGACAGCCTACCTGGCAGTGCCTCGACGCCGGCGTCCCTGCACTGTATTGGAGGCTTTGCA
GCGGCTACAAAGGCACGCGCCGTTTGCCAGTGCCAACAGCGTGTGGACCCCATCCTCTTCTACTTCA
CCCAGAAGAAGTCCCGCCGGCGACCACATGAGTCTCTACAGAACTCACAGCCAAATGGCAGAGGCAGGG
TCGCTGA

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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_176796 unedited
 CCCCCAGTCAGATTTGTATACGACTCACTATAGGCGGCCTGCGAATTCGCACCAGGCTGG
 GGCCGGAGCTGCTGCCGCCGTCTACACGGTCCCCTCATTTGACGGGTTCCCTCCTAGCA
 GGCCTGGGCGAGTGACATCTGGGCCGGACCAGCTGGTGTGCGCGGGCGCAGGTCTCTCG
 GTTTCCTCATCTGCTGCCTCTCCAGACTTCTGCCAGAACATTGCACGCGACAGTTTCAGG
 CACAGAAGTACTGGCAGCAGGGGCTGCTCCACGAGTGGGAATTTGCTCCAGCACTTCAC
 GGACTGCAAGCGAGGCACCTTGCTAACTCTTGATAACAAGACCTCTGCCAGAAGAACCAT
 GGCTTTGGAAGGCGGAGTTCAGGCTGAGGAGATGGGTGCGGTCCCTCAGTGAGCCCTGCC
 TCCTGAACATAGGAAACCCACCTGGGCAGCCATGGAATGGGACAATGGCACAGGCCAGG
 CTCTGGGCTTGCCACCCACCACCTGTGTCTACCGCGAGAATTCAAGCAACTGCTGCTGC
 CACCTGTGTATTGCGGGTGTGCGGGCTGGCCTGCCGCTGAACATCTGTGTCATTACCC
 AGATCTGCACGTCCCGCCGGCCCTGACCCGCACGGCCGTGTACACCCTAAACCTTGCTC
 TGGCTGACCTGTATATGCCTGCTCCCTGCCCTGCTCATCTACAACATGCCCCAAGGTG
 ATCACTGGCCCTATGGCGACTTCGCTGCCGCTGGTCCGCTTTCTTTCTATGCCAAC
 TGCACGGCAGCATCCTCTTCTCACCTGCATCAGCTTCCAGCGCTACCTGNGCATCTGCC
 ACCCGCTGGCCCTCTGCACAAACGTGGGGCCGCTGGCTGCCTGNCTAGTGTGTGN

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_176796 unedited
 CCCCCAATTAGTGATGNCTCGCGGCCCTATTCTAGGAGCGAGTTTTTTTTTTTTTTTT
 TTTTTTTTTTGACAGTACACGTCACTGTATTTTTGTGAGCACCTTAATGTGGTTTCCC
 CAGCTCTCCATGGCTGACTGGGACCTCTCAAGAGCCAGGCCAGGTCTGTCCATCTCCAT
 GCCCACAGGTCTGGGCCAGAGAAGGGGCTGAAGAAATAGTTTTTGGTGAGCTTCTGGGT
 CCTGTGAGGGATCTTAACCTCCATGCCAGCTGAGCTGAACCTAATTCTCCGCATGGTTT
 GGGGTTGGTGGGCTCCTGGTGCCCGACACAATGGCAAATATGAAGGCTGCCAGGAC
 CTGGAGGACTCAGCGACCTGCCTCTGCCATTTGGCTGTGAGTTTCTGTAGGAGCTCATG
 TGGTCCGCGCGGAACCTTCTTGGGTGAAGTAGAAGAGGATGGGGTCCAGCACGCTGTT
 GGCAGTGGCAAACGGCCGCTGCCTTTGTAGGCCGCTGCAAAGGCCTCCAATACAGTGCA
 GGGGACGCCCCGGCTCGAGCGCACTGCCAGGTAGGCTGTCTTGGTGATGTGAAAAGGCAG
 GAAGCTGATGGCAAAGGCAGCAGCCACCACCACGGCCATGCGGGCCGCTTGCCACGCCG
 CTCCTGGGCCACAGGCTCTGCCGGCCATCCTGGCGGCACAGGCGCAGGCCAGGAGACA
 GTAGCAGGCCAGCAGGGCAGAAAGGGCAGCAGGAAGCCGATGACAGTGAGAGCCATGCC
 ATAGGGCATATAGTGGGTGCCAGGGCAGCGGGCTGAGGTCATAGCAGACAGTGCGGTT
 ACGCTGGATGCCTGTGGCANCNAAGATGGCTGTGGGCAGGCACCTGGGTTGTACGGCCA
 CCCACACCGCTACAC

Restriction Sites:

NotI-NotI

ACCN:

NM_176796

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).

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| Reconstitution Method: | <ol style="list-style-type: none">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_176796.1 , NP_789766.1 |
| RefSeq Size: | 1700 bp |
| RefSeq ORF: | 987 bp |
| Locus ID: | 5031 |
| UniProt ID: | Q15077 |
| Cytogenetics: | 11q13.4 |
| Protein Families: | Druggable Genome, GPCR, Transmembrane |
| Protein Pathways: | Neuroactive ligand-receptor interaction |
| 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 (3) differs in the 5' UTR compared to variant 1. Variants 1,2,3,5,6,7, and 8 encode the same isoform (1).</p> |