

Product datasheet for **SC109534**

P2Y6 (P2RY6) (NM_176797) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	P2Y6 (P2RY6) (NM_176797) 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:	>OriGene ORF within SC109534 sequence for NM_176797 edited (data generated by NextGen Sequencing)

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ATGGAATGGGACAATGGCACAGGCCAGGCTCTGGGCTTGCCACCCACCACCTGTGTCTAC
CGCGAGAACTTCAAGCAACTGCTGCTGCCACCTGTGTATTTCGGCGGTGCTGGCGGCTGGC
CTGCCGCTGAACATCTGTGTCATTACCCAGATCTGCACGTCCCGCCGGGCCCTGACCCGC
ACGGCCGTGTACACCCTAAACCTTGCTCTGGCTGACCTGCTATATGCCTGCTCCCTGCC
CTGCTCATCTACAATATGCCCAAGGTGATCACTGGCCCTTTGGCGACTTCGCCTGCCGC
CTGGTCCGCTTCTTCTATGCCAACCTGCACGGCAGCATCCTTCTCACCTGCATC
AGCTTCCAGCGCTACCTGGGCATCTGCCACCCGCTGGCCCTTGGCACAAACGTGGGGGC
CGCCGGGCTGCCTGGCTAGTGTGTGTAGCCGTGTGGCTGGCCGTGACAACCCAGTGCCTG
CCCACAGCCATCTTCGCTGCCACAGGCATCCAGCGTAACCGCACTGTCTGCTATGACCTC
AGCCCGCCTGCCCTGGCCACCCACTATATGCCCTATGGCATGGCTCTCACTGTCATCGGC
TTCTGCTGCCCTTTGCTGCCCTGCTGGCTGCTACTGTCTCCTGGCCTGCCGCTGTGC
CGCCAGGATGGCCCGGCAGAGCCTGTGGCCAGGAGCGGCGTGGCAAGGCGGCCCGCATG
GCCGTGGTGGTGGCTGCTGCCTTTGCCATCAGCTTCTGCCTTTTACATCACCAAGACA
GCCTACCTGGCAGTGGCTCGACGCGGGCGTCCCCTGCACTGTATTGGAGGCCTTTGCA
GCGGCCTACAAAGGCACGCGCCGTTTGGCAGTGCCAACAGCGTGTGGACCCCATCCTC
TTCTACTTCACCCAGAAGAAGTTCGCCGGCGACCACATGAGCTCCTACAGAAACTCACA
GCCAAATGGCAGAGGCAGGGTCGCTGA

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Clone variation with respect to NM_176797.1



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_176797 unedited GCACGAGGACAGTTCAGGCACANAAGTACTGGCAGCAGGGGCTGCTCCACGAGTGGGA ATTTGCTCCAGCACTTCACGGACTGCAAGCGAGGCACTTGCTAACTCTTGGCCTCCCTGA ACATAGGAAACCCACCTGGGCAGCCATGGAATGGGACAATGGCACAGGCCAGGCTCTGGG CTTGCCACCCACCACCTGTGTCTACCGGAGAATTCAAGCAACTGCTGCTGCCACCTGT GTATTCGGCGGTGCTGGCGGCTGGCCTGCCGCTGAACATCTGTGTATTACCCAGATCTG CAGTCCCAGCGGGCCCTGACCCGCACGGCCGTGTACACCCTAAACCTTGCTCTGGCTGA CCTGCTATATGCCTGCTCCCTGCCCTGCTCATCTACAACCTATGCCCAAGGTGATCACTG GCCCTTTGGCGACTTCGCTGCCGCTGGTCCGCTTCTCTTCTATGCCAACCTGCACGG CAGCATCTCTTCTCACCTGCATCAGCTTCCAGCGCTACCTGGGCATCTGCCACCCGCT GGCCCCCTGGCACAAACGTGGGGCCGCGGGCTGCCTGGCTAGTGTGTAGCCGTGTG GCTGGCCGTGACAACCCAGTGCCTGCCACAGCCATCTTCGCTGCCACAGGCATCCAGCG TAACCGCACTGTCTGCTATGACCTCAGCCCGCTGCCCTGGCCACCCACTATATGCCCTA TGGCATGGCTCTCACTGCATCGGCTTCTGCTGCCCTTGTGCTGCCCTGCTGGCCTGCTA CTGT</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_176797 unedited NNCCAGGNGANGAGCACTGGGNGAGGGGCTCACAGGGCATGCCACCCGGTTCTGTTCAG GAAACAGCTATGACCGCGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTT TTTTGACAGTACAGTACACTGTATTTTTGTGAGCACCTAATGTGTTTCCCCAGCTC TCCATGGCTGACTGGGACCTCTCAAGAGCCAGGCCAGGCTGTCCATCTCCATGCCAC AGGGTCTGGGCCAGAGAAGGGGCTGAAAAATAGTTTTTGGTGGCTTCTGGGCTCCTGTG AGGGATCTTAACTCCATGCCAGCTGAGCTGAACCTAATCTCCGCATGTTTGGGGTG TGGTGGGCTCCTGGTGCCTCCGGACACAATGGCAAATATGAAGGTGCCAGGACCTGGA GGACTCAGCGACCTGCCTCTGCCATTTGGCTGTGAGTTTCTGGANGAGCTCATGTGGTC GCCGGCGAACTTCTTCTGGGTGAAGTATAAGAGGATGGGGTCCAGCACACTTTTGGCAC TGGATAACGGCCCCCTGCCTTTTTATGCCGCTGCAAAAAGCCTTCAAATCTGTGGCAGGGG AACCTTGAGTCAAACCCACGCCAGGGACGCGTGGCTATGGGACGTTAAGAGGAAAGAA CCCTTGAGGTAAGAGGCACGACGCCACCCCATGGGTTAGGCTAAGCGACGCGACACAAAC TATATCTGGACGCCGCTCGTAGCGAGCCCGCCGGCCCCCTACGTTTTTTGTATGAACG CACCGCTCAACCAATGGACGGAGAGATCGAGCAGCGGAAGAGGTACGACGCCCGCGGTA TTATAGAAGAATCCAACGCCGGCTCTAGTGCCACCC</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_176797
Insert Size:	1650 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:	<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_176797.1 , NP_789767.1
RefSeq Size:	1555 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 (1) represents the shortest transcript. Variants 1,2,3,5,6,7, and 8 encode the same isoform (1).</p>