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Product datasheet for SC106993

P2Y6 (P2RY6) (NM_176798) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	P2Y6 (P2RY6) (NM_176798) Human Untagged Clone
Tag:	Tag Free
Symbol:	P2Y6
Synonyms:	P2Y6
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_176798, the custom clone sequence may differ by one or more nucleotides

ATGGAATGGGACAATGGCACAGGCCAGGCTCTGGGCTTGCCACCCACCACCTGTGTCTACCGCGAGAACT
TCAAGCAACTGCTGCTGCCACCTGTGTATTCGGCGGTGCTGGCGGCTGGCCTGCCGCTGAACATCTGTGT
CATTACCCAGATCTGCACGTCCCGCCGGGCCCTGACCCGCACGGCCGTGTACACCCTAAACCTTGCTCTG
GCTGACCTGCTATATGCCTGCTCCCTGCCCCTGCTCATCTACAACTATGCCCAAGGTGATCACTGGCCCT
TTGGCGACTTCGCCTGCCGCCTGGTCCGCTTCCTCTTCTATGCCAACCTGCACGGCAGCATCCTCTTCCT
CACCTGCATCAGCTTCCAGCGCTACCTGGGCATCTGCCACCCGCTGGCCCCCTGGCACAAACGTGGGGGC
CGCCGGGCTGCCTGGCTAGTGTGTGTAGCCGTGTGGCTGGCCGTGACAACCCAGTGCCTGCCCACAGCCA
TCTTCGCTGCCACAGGCATCCAGCGTAACCGCACTGTCTGCTATGACCTCAGCCCGCCTGCCCTGGCCAC
CCACTATATGCCCTATGGCATGGCTCTCACTGTCATCGGCTTCCTGCTGCCCTTTGCTGCCCTGCTGGCC
TGCTACTGTCTCCTGGCCTGCCGCCTGTGCCGCCAGGATGGCCCGGCAGAGCCTGTGGCCCAGGAGCGGC
GTGGCAAGGCGGCCCGCATGGCCGTGGTGGTGGCTGCTGCCTTTGCCATCAGCTTCCTGCCTTTTCACAT
CACCAAGACAGCCTACCTGGCAGTGCGCTCGACGCCGGGCGTCCCCTGCACTGTATTGGAGGCCTTTGCA
GCGGCCTACAAAGGCACGCGGCCGTTTGCCAGTGCCAACAGCGTGCTGGACCCCATCCTCTTCTACTTCA
CCCAGAAGAAGTTCCGCCGGCGACCACATGAGCTCCTACAGAAACTCACAGCCAAATGGCAGAGGCAGGG
TCGCTGA

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5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_176798 unedited
CCCTGTTCNAATTTGTATACGACTCACTATAGGCGGCCCGCGAATTCGCACCAGGGGNAG
CAGAGGTGGCTTTGTCTTTTCGGAAGAACTGGTTCTGTGGAATTTGTGCTTATTTCCCAT
CAAGGATCAAGGACCTGCTCTGGGGCTACCTCAGGGCCCCACAGGATGAGGGGCTGGTTT
TCAGATGAGTTTTCTGCTTGCCTGTCATCTGGATAGTGTCTAAAAATTTGCAAACTGCCT
TCTTGTCAGTGTCTTGCTCATTCTTCATGACACTCCTGATATGTCTCTCGGTTTCCTCAT
CTGCTGCCTCTCCAGACTTCTGCCAGAACATTGCACGCGACAGTTTCAGGCACAGAACTG
ACTGGCAGCAGGGGCTGCTCCACGAGTGGGAATTTGCTCCAGCACTTCACGGACTGCAAG
CGAGGCACTTGCTAACTCTTGGATAACAAGACCTCTGCCAGAAGAACCATGGCTTTGGAA
GGCGGAGTTCAGGCTGAGGAGATGGGTGCGGTCCTCAGTGAGCCCCTGCCTCCCTGAACA
TAGGAAACCCACCTGGGCAGCCATGGAATGGGACAATGGCACAGGCCAGGCTCTGGGCTT
GCCACCCACCACCTGTGTCTACCGCGAGAACTTCAAGCAACTGCTGCTGCCACCTGTGTA
TTCGGCGGTGCTGGCGGCTGGCCTGCCGCTGAACATCTGTGTCATTACCCAGATCTGCAC
GTCCCGCCGGGCCCTGACCCGCACGGCCGTGTACACCCTANACCTTGCTCTGGCTGACCT
GCTATATGCCTGCTCCCTGCCCCTGCTCATCTACACTATGCCCAAAGGTGATCACTGGCC
CTTTGGCGACTTCGCCTGCCGCCTGGTCCGCTTCCTCTTCTATGCCACCTGCACGGAGCA
TCCTCTTCTCACTGCATAGCT
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Restriction Sites: NotI-NotI

ACCN: NM_176798

Insert Size: 1900 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_176798.1, NP_789768.1

RefSeq Size: 1832 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: 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 (2) differs in the 5' UTR compared to variant 1. Variants 1,2,3,5,6,7, and 8 encode the same isoform (1).