

Product datasheet for SC118599

P2Y1 (P2RY1) (NM_002563) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	P2Y1 (P2RY1) (NM_002563) Human Untagged Clone
Tag:	Tag Free
Symbol:	P2RY1
Synonyms:	P2Y1; SARCC
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for NM_002563, the custom clone sequence may differ by one or more nucleotides

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ATGACCGAGGTGCTGTGGCCGGCTGTCCCAACGGGACGGACGCTGCCTTCTGGCCGGTCCGGGTTCTG
CCTGGGGGAACAGCACGGTCGCCTCCACTGCCCGCTCCTCGTCGTTCAAATGCGCCTTGACCAAGAC
GGGCTTCCAGTTTTACTACCTGCCGGCTGTCTACATCTTGGTATTCATCATCGGCTTCTGGGCAACAGC
GTGGCCATCTGGATGTTCTGCTTCCACATGAAGCCCTGGAGCGGCATCTCCGTGTACATGTTCAATTTGG
CTCTGGCCGACTTCTTGTACGTGCTGACTCTGCCAGCCCTGATCTTCTACTACTCAATAAAACAGACTG
GATCTTCGGGGATGCCATGTGTAAGTGCAGAGGTTTCATCTTTCATGTGAACCTCTATGGCAGCATCTTG
TTTCTGACATGCATCAGTGCCCAACCGGTACAGCGGTGTGGTGTACCCCTCAAGTCCCTGGGCCGGCTCA
AAAAGAAGAATGCGATCTGTATCAGCGTGTGGTGTGGCTCATTGTGGTGGTGGCGATCTCCCCATCCT
CTTCTACTCAGGTACCGGGTCCGCAAAAACAAAACCATCACCTGTTACGACACCACCTCAGACGAGTAC
CTGCGAAGTTATTTACTACAGCATGTGCACGACCGTGGCCATGTTCTGTGTCCCCTTGGTGCTGATTC
TGGGCTGTTACGGATTAATTGTGAGAGCTTTGATTTACAAAGATCTGGACAACCTCCTCTGAGGAGAAA
ATCGATTTACCTGGTAATCATTGTACTGACTGTTTTTGCTGTGCTTACATCCCTTCCATGTGATGAAA
ACGATGAACTTGAGGGCCGGCTTGATTTTCAGACCCAGCAATGTGTGCTTCAATGACAGGGTTTATG
CCACGTATCAGGTGACAAGAGGCTAGCAAGTCTCAACAGTTGTGGACCCCATCTCTATTTCTTGGC
GGGAGATACTTTCAGAAGGAGACTCTCCCGAGCCACAAGGAAAGCTTCTAGAAGAAGTGAGGCAAATTTG
CAATCCAAGAGTGAAGACATGACCCTCAATATTTTACCTGAGTTC AAGCAGAATGGAGATACAAGCCTGT
GA
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_002563 unedited TAAATATTTGTATACGACTACTATAGGCGGCCGGAATTCGGCACGAGGGAAAGTTATCC GCGGCGGTTCCCTGCGCGCCCTGTTGTGTAAGCTCGGCGTTGCCACGGACGGAGAAAGTT GCTGGCTTGCCGATAGCCAGTTTCGGTGGCGGCCCGGGCGGATTTTCATGGCCCGCGGC GAACGCGGGCCAGAGCTGGCGTGGCGAGCCCTGCGCGCCCTCCCGCGGGATCCA GTTGCGCTGCTCCCTCCGCTCGCTGGCTTTTCCGATGCTTGTGCGCCCTGGCCGCCG CTGCCCTCTCGCCGCTCCTACCCTCGGAGCCCGCCCTAAGTCGAGGAGGAGAGAATG ACCGAGGTGCTGTGGCCGGCTGTCCCAACGGGACGGACGCTGCCTTCTGGCCGGTCCG GGTTCGTCTGGGGAACAGCACGGTCCCTCCACTGCCGCGTCTCCTCGTCTGTTCAA TGCGCCTTGACCAAGACGGGCTTCCAGTTTACTACCTGCCGGCTGTCTACATCTTGTA TTCATCATCGGCTTCTGGCAACAGCGTGGCCATCTGGATGTTGCTTCCACATGAAG CCCTGGAGCGCATCTCCGTGTACATGTTCAATTTGGCTCTGGCCGACTTCTGTACGTG CTGACTCTGCCAGCCCTGATCTTCTACTACTTCAATAAAACAGACTGGATCTTCGGGGAT GGCATGCGTAAACTGCAAAGTTTCATCTTTTATGGAACTCTTATGGAGACCCTGACT CTGACATGATTAGGGCCCCCGTCCAGCGGTTGTGACTTACTTGTCTTGCCTACTT CATCTTTCTACTCGCTGCTTCCGCGCCGTCGACTCTAAAACGCCACGTCCCGTTAACTT ATTTACCCCCGTAGAATTTGTTTTTTTTT
3' Read Nucleotide Sequence:	>OriGene 3' read for NM_002563 unedited NCGCGTGGCCGCGGCCGCAATTANGATCGGTTTTTTTTTTTTTTTTTTTTTTTTTTTTT TTTTTTTACATGTTTCATAGTTTTATTGAGTCTTTTTAGTTTTAACTGTCCATGGTAA GTACAGTTCTAGGACCACAATTATGAAGCTCTGCTCGTACTAAAAATAGCAGATACAAA GTTGGCTGCCATGCCTTACACACTAAGACACACACTCTTTTACACACACACACAC AGGGTTTTGCATACTTACATGCAAACAGTCTATGCTATTATAGGAAATGTCCTTTCC TTTTATAAAAATACAATCCACACAATTAGTCTGGGTTTTGTTAAGCTACCACTGATTC ACACAACTTGAAAAAGCTCAACCCACCAAGTACCACTGTCCCATACCGTTAATTCAAG GCCCTACCCCTCATAACGAAATCTCGTTCAACCACCTATTTTAAAAATACAGATAATTT CAAAGCACCTTCTCTTCTGTTCTCCCTATACATCCTTCCCTTCCCTTACCCCCCGT GACGGGACCCACCCCTTTTCCCTTTTTCGCGCGTCCCCTCTTTTTTATATGCTT CCTTCGAACATAACCCCGCGTAATCCCTGGCCATATGCACCCCTTCTTCCCTT TCCATTCTGCAACTCCCTTCCACACCCACCCCATCCCGCTCTCACTCATTTTTCC CCGTCCTCTTTTTCGGATGCCCTTCTAAATCCCAATTGGAAACCACGCATCGCT GTCCATCTTTCCCTTCCCTTATACCCGCCCCACTTATCTCCGTCAACCGCCGATATTT CGCCCCGGTTTTACCACCCGCTCCACTCCCCCGGATATCCTTATACTACTCCCCAT CACCTTTTGACCCCCCCCCCTTATTGCGCGTCCCACCACTCTGCGTGTCTATATTT CGCCCTCTCTCCACCTTTTTTTCATCCCTCTCCG
Restriction Sites:	NotI-NotI
ACCN:	NM_002563
Insert Size:	6000 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).
RefSeq:	NM_002563.2 , NP_002554.1
RefSeq Size:	3122 bp
RefSeq ORF:	1122 bp
Locus ID:	5028

UniProt ID: [P47900](#)

Domains: 7tm_1

Protein Families: Druggable Genome, GPCR, Transmembrane

Protein Pathways: Neuroactive ligand-receptor interaction

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 functions as a receptor for extracellular ATP and ADP. In platelets binding to ADP leads to mobilization of intracellular calcium ions via activation of phospholipase C, a change in platelet shape, and probably to platelet aggregation. [provided by RefSeq, Jul 2008]