

Product datasheet for **SC122248**

P2Y11 (P2RY11) (BC009877) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	P2Y11 (P2RY11) (BC009877) Human Untagged Clone
Tag:	Tag Free
Symbol:	P2Y11
Synonyms:	P2Y11
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for BC009877 edited
GGCACGAGGGGACCTTGTGGGGTGAAGTCTGGCTTTTTGGCGGCAACTCCCTGGCCAAGTG
TGAGCACCTGGAAGCAAAGGATGGGGCAGGACTCCAGCGCTCGCGGGTCTCTCTGGTG
GCCACGGGGAGAAGAGGCTTTGGGCGCGGGGGTCCAAAGTCAAGGCAGAGTGGGGGC
TGGACCCACCGGGCTTTGGACGGCACAGATCTGAAGTGGAGCCGGCAGGCCTTGCTGG
GGCTGGACTTTGGGGAGGAGGCCTCTAGTGGGGCCAGGTGTGGTGGGGAGTAGGGTGGC
CGCTGTCTGTGTTACCAAGTGGACCTTGGCTCCAAGACTGCCTGGCCCGCCTAAGCTGGT
CCATTGGGGCCCAATGCATAAACCCTGGCTCTGAGCCTCAATCCTGTCCACATAAAGGAGT
GGAGCCCGGTCCCCCTCCAGGGAGGGGAAAGAACTCGTGTCCAGGGATCCACGCCATGGC
AGACGTGGGCTCTTGGGGTAGCAGGAGCCGCTTATGGGGGAATAGGGCTCAGCTGGTGA
CACCTTCTGCCACAGGTGCCAAGTCTGCCCTGCCAACTTCTTGGCAGCTGCCGACGAC
AAACTCAGTGGGTTCCAGGGGACTTCCCTGTGGCCATACTGGTGGTTGAGTTCTGGTG
GCCGTGGCCAGCAATGGCCTGGCCCTGTACCGCTTCCAGCATCCGGAAGCAGCGCCATGG
CACCCCGCGTGGTCTTCTGTCCAGCTGGCAGTCAGCGACCTGCTCTGCGCCCTGACG
CTGCCCCGCTGGCCGCCTACCTCTATCCCCCAAGCACTGGCGCTATGGGGAGGCGCGG
TGCCCGCTGGAGCGCTTCTCTTCCACTGCAACCTGCTGGGCAGCGTCATCTTATCACC
TGATCAGCCTCAACCGCTACCTGGGCATCGTGCACCCCTTCTTCCGCCGAAGCCACCTG
CGACCAAGCACGCTGGGCCGTGAGCGCTGCCGGCTGGGTCTGGCCGCGCTGCTGGCC
ATGCCCACTCAGCTTCTCCACCTGAAGAGGCCGAGCAGGGGGCGGGCAACTGCAGC
GTGGCCAGGCCGAGGCCTGCATCAAGTGTCTGGGGACAGCAGACCAGGGCTGGCGGCC
TACAGAGCGTATAGCCTGGTGTGGCGGGTGGGCTGCCGCCTGCCGCTGCTGCTCAGC
GTGGCAGCCTACGGCGCCTCGGGCGGGCGTGTACGACGCCAGGCATGACTGTGGCC
GAGAAGTGCCTGTGGCAGCGTTGGTGGCCAGTGGTGTGGCCCTTACGCCAGCTCCTAT
GTGCCCTACCACATCATGCGGGTGTCAACGTGGATGCTCGGCGCGCTGGAGCACCCGC
TGCCCGAGCTTTCAGACATAGCCAGGCCACAGCAGCCCTGGAGCTGGGGCCCTACGTG
GGCTACCAGTGATGCGGGGCTCATGCCCTGGCCTTCTGTGTCCACCCTCTACTCTAC
ATGGCCGAGTGCCAGCCTGGGCTGCTGCTGCCGACACTGCCCGGCTACAGGGACAGC
TGGAAACCAGAGGACGCCAAGAGCACTGGCCAAGCCCTGCCCTCAATGCCACAGCCGCC
CCTAAACCGTCAGAGCCCAAGTCCCGTGAAGTGTGAGCCAATGATGTGGCCTAGCGGAAGT
GCCTCCTCACCCTAGGTGTTGCTGGAGAACCCTGAGGGCAGGGCCGAGCCCGACACAT
CCCTTCCCCAAAAGCAACACCTGTGCTTGCAGCCAGGTGAGGCCAGCTGCAGCCAG
GCAGGAGCAGTCCCTTTCCACCCACAGCGCTGGCCACAGGGCTCCCTGCAGGGTCAGG
GACCAGACCAGCCAGAGGAGGGGAGGCACTGGCCCCGCCACAGGACTGGAGACGCAA
GAACAAAAACAACCAAGTAGAGAGAGTGGAGTCTTTATTGCCCTTGGAGCCCGCGCTC
TCGGAGGCTGTCTTCTGTGCGCAAGGGTCCCGACCGAGTACACAGTGGCAGCTGGCTTA
GTTGGTGGACGGCCTGGGGTAGGGGAGGGTGGCAGGTATAAGACTTCTGGGGGACCCCA
AGACCCAGACACCAAGTGGCATCTTGGGGTGGGTGGGCAGAGGACGGGGTAATGTGA
GGACGAAGCGGGCAGGAGCCAGATGGCCAGTCTCCAGGCCTGGTCCACGACTGGCAGG
GACCCAGGCACAAGAGCTGCCACCCCTCTGCCCGTTTTGGAAAAAACAATAAAGGAC
TGTCCTCAAAACCAGCCGGGGACTGTTAAAAAAAAAAAAAAAAAAAAAAAAA
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5' Read Nucleotide Sequence:	>OriGene 5' read for BC009877 unedited NGGTTGTCGAATTTGTATACGACTCATATAGGGCGGCCGGAATTCGCACGAGGGACCTT GTGGGGTGAGTCTGGCTTTTTGGCGGCAACTCCCTGGCCAAGTGTGAGCACCTGGAAGCA AAAGGATGGGGCAGGACTCCAGCGCTCGCGGGTGTCTCTGGTGGCCACGGGGAGAAGAG GCTTTGGCGCGCGGGTGCCAAGGTCAGGGCAGAGTGGGGCTGGACCCACGGGGC TTTGGACGGCACAGATCTGAAGTGGAGCCGGCAGGCCTTGCTGGGGCTGGACTTTGGGGA GGAGGCCTCTAGTGGGGCCAGGTGTGGTGGGGAGTAGGGTGGCCGCTGTCTGTGTACC AGTGGACCTTGAGCTCCAAGACTGCCTGGCCCGCCTAAGCTGGTCCATTGGGGCCCAATG CATAACCTGGCTCTGAGCCTCAATCCTGTCCACATAAAGGAGTGGAGCCCGGTCCCCT CCAGGGAGGGGAAAGAACTCGTGTCCAGGGATCCACGCCATGGCAGACGTGGGCTTTGG GGTAGCAGGAGCCGCTTATGGGGGAATAGGGCTCAGCTGGTGACACCTTCTGCCACAG GTGCCAAGTCTGCCCTGCCAATTCTTGGCAGCTGCCGACGACAACTCAGTGGTTCC AGGGGGACTTCTGTGGCCATACTGGTGGTTGAGTTCCTGGTGGCCGTGGCCAGCAATG GCCTGGCCCTGTACCGCTTCANCATCCGGAAGCAGCGCCCATGGCACCCCGCGTGGTCT TCTCTGTCCAGCTGGCAGTCAGGCACCTGCTCTGCGCCCTGACGCTGCCCCGCTGGGCG CCTACCTCTATCCCCCAGCACTGGCGCTATGGGGAGGCCGC
Restriction Sites:	Please inquire
ACCN:	BC009877
Insert Size:	2332 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:	BC009877.1 , AAH09877.1
RefSeq Size:	2332 bp
Locus ID:	5032
Cytogenetics:	19p13.2
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 is coupled to the stimulation of the phosphoinositide and adenylyl cyclase pathways and behaves as a selective purinoceptor. Naturally occurring read-through transcripts, resulting from intergenic splicing between this gene and an immediately upstream gene (PPAN, encoding peter pan homolog), have been found. The PPAN-P2RY11 read-through mRNA is ubiquitously expressed and encodes a fusion protein that shares identity with each individual gene product. [provided by RefSeq, Jul 2008]