

Product datasheet for **SC118600**

P2Y4 (P2RY4) (NM_002565) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	P2Y4 (P2RY4) (NM_002565) Human Untagged Clone
Tag:	Tag Free
Symbol:	P2Y4
Synonyms:	NRU; P2P; P2Y4; UNR
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_002565, RT-PCR generated
ATGGCCAGTACAGAGTCCTCCCTGTTGAGATCCCTAGGCCTCAGCCCAGGTCCTGGCAGC
AGTGAGGTGGAGCTGGACTGTTGGTTTGGATGAGGATTTCAAGTTCATCCTGCTGCCTGTG
AGCTATGCAGTTGTCTTTGTGCTGGGCTTGGGCCTTAACGCCCAACCCTATGGCTCTTC
ATCTTCCGCCTCCGACCCTGGGATGCAACGGCCACCTACATGTTCCACCTGGCATTGTCA
GACACCTTGTATGTGCTGTGCTGCCACCCTCATCTACTATTATGCAGCCACAACCAC
TGGCCCTTTGGCACTGAGATCTGCAAGTTCGTCCGCTTTCTTTTCTATTGGAACCTCTAC
TGCAGTGTCTTTTCTCACCTGCATCAGCGTGCACCGCTACCTGGGCATCTGCCACCCA
CTTCGGGCACTACGCTGGGGCCGCCCTCGCCTCGCAGGCCTTCTCTGCCTGGCAGTTTGG
TTGGTCGTAGCCGGCTGCCTCGTGCCCAACCTGTTCTTTGTGCAACAGCAACAAGGG
ACCACCGTCTGTGCCATGACACCACTCGGCCTGAAGAGTTTGACCACTATGTGCACTTC
AGCTCGGCGGTATGGGGCTGCTTTTGGCGTGCCTGCCTGGTCACTCTGTTTGTCTAT
GGACTCATGGCTCGTCGCTGTATCAGCCCTTGCCAGGCTCTGCACAGTCGTCTTCTCGC
CTCCGCTCTCTCCGACCATAGCTGTGGTGTGACTGTCTTTGCTGTCTGCTTGTGCTCT
TTCCACATCACCCGACCATTTACTACCTGGCCAGGCTGTTGGAAGTGTGACTGCCGAGTA
CTGAACATTGTCAACGTGGTCTATAAAGTACTCGGCCCTGGCCAGTGCCAACAGCTGC
CTGGATCCTGTGCTCTACTTGTCACTGGGACAAATATCGACGTGAGTCCGTCAGCTC
TGTGGTGGTGGCAAGCCCCAGCCCCGACGGCTGCCTCTCCCTGGCACTAGTGTCCCTG
CCTGAGGATAGCAGCTGCAGGTGGGCGGCCACCCCCAGGACAGTAGCTGCTCTACTCCT
AGGGCAGATAGATTGTAA



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_002565 unedited
 TGGNCNAGTTCAAATTTGTAAACGACTCATATAGGCGGCCGCGCATTANATCTGGTACC
 GAGCTCGGCTCCACTAGTAACGGCCGCCAGTGTGCTGGAATTCGGCTTATGGCCAGTACA
 GAGTCCTCCCTGTTGAGATCCCTAGGCCTCAGCCCAGGTCTGGCAGCAGTGAGGTGGAG
 CTGGACTGTTGGTTTGTAGAGATTTCAAGTTCATCCTGCTGCCTGTGAGCTATGCAGTT
 GTCTTTGTGCTGGGCTTGGGCCTTAACGCCCAACCCTATGGCTTTCATCTTCCGCCTC
 CGACCCCTGGGATGCAACGGCCACCTACATGTTCCACCTGGCATTGTCAGACACCTTGTAT
 GTGCTGTGCTGCCACCCTCATCTACTATTATGCAGCCACAACCACTGGCCCTTTGGC
 ACTGAGATCTGCAAGTTCGTCCGCTTTCTTTTCTATTGGAACCTCTACTGCAGTGCCTT
 TTCCTCACCTGCATCAGCGTGCACCGCTACCTGGGCATCTGCCACCCACTTCGGGCACTA
 CGCTGGGGCCGCCCTCGCCTCGCAGGCCTTCTCTGCTGGCAGTTTGGTTAGGTCGTAGC
 CGGCTGCCTCGTCCCAACCTGTTCTTTGTCAAAACCAGCAACAAAGGGACCACCGTCT
 GTGCCATGACACCACTCGGCTCTGAGAGTTTGACCACTATGTGCACTTCACTCGGCGGT
 CATGGGGTGTCTNTGGCGTGCCTGCCTGGTCACTCTGTTTGTATGGACTCTGGGC
 TCGTGCCTGTATCAGCCCTTGCCAGGCTCTGCACAGTGTCTTCTCGCTCCGCTCTCTC
 CGACCATAGCTGTGGTGTGACTGTCTTTN

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_002565 unedited
 GGGACTTGGGGTGGTACCTCCATTCCGGTTTAGCACTGGGGNAGGGTCACAGGATGCCA
 CCCGGGATCTGTTCAGGAAACAGCTATGACCGCGGCCAGTGTGATGGATATCTGCAG
 AATTTCGGCTTTTACAATCTATCTGCCCTAGGAGTAGAGCAGCTACTGTCTGGGGGTGG
 CCGCCACCTGCAGCTGCTATCCTCAGGCAGGGACTCTAGTGCCAGGGAAGAGGCAGCCG
 TGCGGGGTGGGGCTTGCCACCACCACAGAGCTGACGGAGCTGACGTGATATTTGTCCC
 CAGTGAGCAAGTAGAGCACAGGATCCAGGCAGCTGTTGGCACTGGCCAGGGGCCAGTCA
 CTTTATAGACCAGTTGACAATGTTCACTACTCGGCAGTCACTTCCAACAGCCTGGCCA
 GGTAGTAAATGGTGCGGGTGATGTGAAAGGCACGAAGCAGACAGCAAAGACAGTCAGCA
 CCACAGCTATGGTGCAGGAGAGCGGAGGCGAGAAGACGACTGTGCAGAGCCTGGCAAGG
 GCTGATACAGGCGACGAGCCATGAGTCCATAGCAAACAAGAGTACCAGGCAGGGCACGC
 CCAAGAGCAGCCCATGACCGCCGAGCTGAAATGCACATAGTGGTCAAACCTTTCAGGCC
 GAGTGGTGTATGGCACAAGACGGTGGTCCCTTTGGTGTGTTGGGACAAAAACAGTT
 GGGCAGCAAGCAACCCGCTACCACCAAACTGCCAAGCAAAAAAGGCCTGCCAGGCG
 AGGGCGGCCCAACGTTATGCCCAAGTGGGTGGCAAATGCCCGGTAGCGGTGCCCGCT
 GATCCCGTGGAGAAAAAGACCTGCATTGAAGTTTCAATAAAAAAAGCGGCCAACT

Restriction Sites:

Please inquire

ACCN:

NM_002565

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_002565.3](#), [NP_002556.1](#)

RefSeq Size: 1639 bp

RefSeq ORF: 1098 bp

Locus ID: 5030

UniProt ID: [P51582](#)

Cytogenetics: Xq13.1

Protein Families: Druggable Genome

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 responsive to uridine nucleotides, partially responsive to ATP, and not responsive to ADP. [provided by RefSeq, Jul 2008]