

Product datasheet for SC303221

P2Y11 (P2RY11) (NM_002566) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	P2Y11 (P2RY11) (NM_002566) Human Untagged Clone
Tag:	Tag Free
Symbol:	P2RY11
Synonyms:	P2Y11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC303221 representing NM_002566. Blue=Insert sequence Red=Cloning site Green=Tag(s)

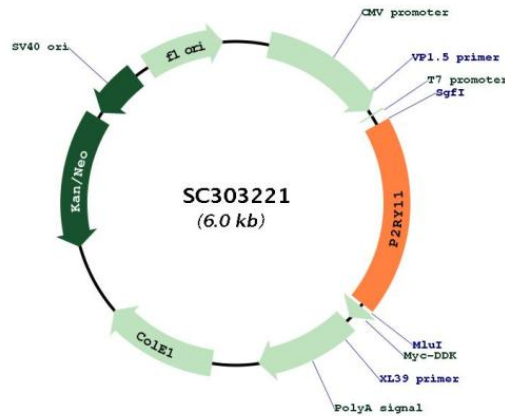
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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC CGCATCGCC
ATGGCAGCCAACGTCTCGGGTGCCAAGTCTGCCCTGCCAACTTCTTGGCAGCTGCCGACGACAACTC
AGTGGGTTCCAGGGGACTTCTGTGGCCATACTGGTGGTTGAGTTCTGGTGGCCGTGCCAGCAAT
GGCCTGGCCCTGTACCGCTT CAGCATCCGGAAGCAGCGCCATGGCACCCCGCCGTGGTCTTCTCTGTC
CAGCTGGCAGTCAGCGACCTGCTCTGCCCCCTGACGCTGCCCCCGCTGGCCGCTACCTCTATCCCCC
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GACGCCAAGAGCACTGGCCAAGCCCTGCCCTCAATGCCACAGCCGCCCTAAACCGTCAGAGCCCCAG
TCCCGTAGCTGAGCCAATGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:



ACCN: NM_002566

Insert Size: 1125 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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_002566.4](#)

RefSeq Size: 1977 bp

RefSeq ORF: 1125 bp

Locus ID: 5032

UniProt ID: [Q96G91](#)

Cytogenetics: 19p13.2

Protein Families: Druggable Genome, GPCR, Transmembrane

Protein Pathways: Neuroactive ligand-receptor interaction

MW: 40.3 kDa

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]