

## Product datasheet for **RG237472**

### **P2Y6 (P2RY6) (NM\_001277207) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	P2Y6 (P2RY6) (NM_001277207) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	P2Y6
Synonyms:	P2Y6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG237472 representing NM_001277207. Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGGAATGGGACAATGGCACAGGCCAGGCTCTGGGCTTGCCACCCACCACCTGTGTCTACCGCGAGAAC
TTCAAGCAACTGCTGCTGCCACCTGTGTATTCGGCGGTGCTGGCGGCTGGCCTGCCGCTGAACATCTGT
GTCATTACCCAGATCTGCACGTCCCGCCGGGCCCTGACCCGCACGGCCGTGTACACCCTAAACCTTGCT
CTGGCTGACCTGCTATATGCCTGCTCCCTGCCCTGCTCATCTACAACCTATGCCAAGGTGATCACTGG
CCCTTTGGCGACTTCGCCTGCCGCTGGTCCGCTTCTCTTCTATGCCAACCTGCACGGCAGCATCCTC
TTCTCACCTGCATCAGCTTCCAGCGCTACCTGGGCATCTGCCACCCGCTGGCCCTGGCACAAACGT
GGGGGCCCGGGCTGCCTGGCTAGTGTGTGTAGCCGTGTGGCTGGCCGTGACAACCCAGTGCCTGCC
ACAGCCATCTTCGCTGCCACAGGCATCCAGCGTAACCGCACTGTCTGCTATGACCTCAGCCCGCCTGCC
CTGGCCACCCACTATATGCCCTATGGCATGGCTCTCACTGTCATCGGCTTCTGTGCTGCCCTTTGCTGCC
CTGCTGGCCTGCTACTGTCTCCTGGCCTGCCGCTGTGCCGCCAGGATGGCCCGGAGAGCCTGTGGCC
CAGGAGCGGCGTGGCAAGCGGCCCGCATGGCCGTGGTGGTGGCTGTGCCTTTGCCATCAGCTTCTCTG
CCTTTTACATCACCAAGACAGCCTACCTGGCAGTGGCTCGACGCCGGGCGTCCCCTGCACTGTATTG
GAGGCCTTTGCAGCGGCTACAAAGGCACGCGGCCGTTTGCCAGTGCCAACAGCGTGTGGACCCATC
CTCTTCTACTTACCCAGAAGAAGTTCGCCGGCGACCACATGAGCTCCTACAGAACTCACAGCCAAA
TGGCAGAGGCAGGGTCGC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```



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**Protein Sequence:** >Peptide sequence encoded by RG237472  
 Blue=ORF Red=Cloning site Green=Tag(s)

```
MEWDNGTGQALGLPPTTCVYRENFKQLLLPPVYSAVLAAGLPLNICVITQICTSRRALTRTAVYTLNLA
LADLLYACSLPLLIYNYAQGDHWPFGDFACRLVRFLFYANLHGSILFLTCISFQRYLGICHPLAPWHKR
GRRRAAWLVCVAVWLAVTTQCLPTAIFAATGIQRNRTVCYDLSPPALATHYMPYGMALTVIGFLLPFAA
LLACYCLLACRLCRQDGAEPVAQERRGKAARMAVVVAAAFAISFLPFHITKTAYLAVRSTPGVPCTVL
EAFAAAYKGRPFASANSVLDPIILFYFTQKKFRRRPHELLQKLTAKWQRQGR
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV
MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPEP
SVIFTDKIIIRSNAVHLPMDNDLDGSFTRTFSLRDGGYSSVVDSHMFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001277207

**ORF Size:** 984 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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).

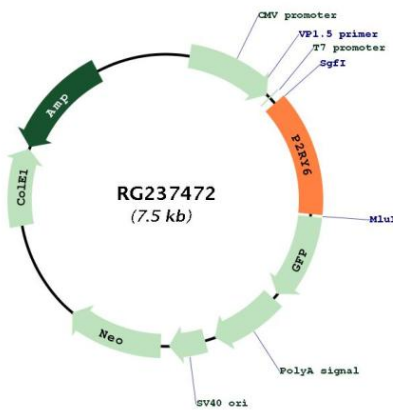
**RefSeq:** [NM\\_001277207.1](#), [NP\\_001264136.1](#)

**RefSeq Size:** 2399 bp

**RefSeq ORF:** 987 bp

<b>Locus ID:</b>	5031
<b>UniProt ID:</b>	<a href="#">Q15077</a>
<b>Cytogenetics:</b>	11q13.4
<b>Protein Families:</b>	Druggable Genome, GPCR, Transmembrane
<b>Protein Pathways:</b>	Neuroactive ligand-receptor interaction
<b>MW:</b>	36.4 kDa
<b>Gene Summary:</b>	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]

**Product images:**



Circular map for RG237472