

Product datasheet for **RG237469**

P2Y6 (P2RY6) (NM_001277204) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	P2Y6 (P2RY6) (NM_001277204) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	P2RY6
Synonyms:	P2Y6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG237469 representing NM_001277204. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGGAATGGGACAATGGCACAGGCCAGGCTCTGGGCTTGCCACCCACCACCTGTGTCTACCGCGAGAAC
TTCAAGCAACTGCTGCTGCCACCTGTGTATTCGGCGGTGCTGGCGGCTGGCCTGCCGCTGAACATCTGT
GTCATTACCCAGATCTGCACGTCCCGCCGGGCCCTGACCCGCACGGCCGTGTACACCCTAAACCTTGCT
CTGGCTGACCTGTATATGCCTGCTCCCTGCCCTGCTCATCTACAACCTATGCCAAGGTGATCACTGG
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GGGGGCCCGGGCTGCCTGGCTAGTGTGTGTAGCCGTGTGGCTGGCCGTGACAACCCAGTGCCTGCC
ACAGCCATCTTCGCTGCCACAGGCATCCAGCGTAACCGCACTGTCTGCTATGACCTCAGCCCGCCTGCC
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CCTTTTACATCACCAAGACAGCCTACCTGGCAGTGGCTCGACGCCGGGCGTCCCCTGCACTGTATTG
GAGGCCTTTGCAGCGGCTACAAAGGCACGCGGCCGTTTGCCAGTGCCAACAGCGTGTGGACCCATC
CTCTTCTACTTACCCAGAAGAAGTTCGCCGGCGACCACATGAGCTCCTACAGAACTCACAGCCAAA
TGGCAGAGGCAGGGTCGC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG237469
 Blue=ORF Red=Cloning site Green=Tag(s)

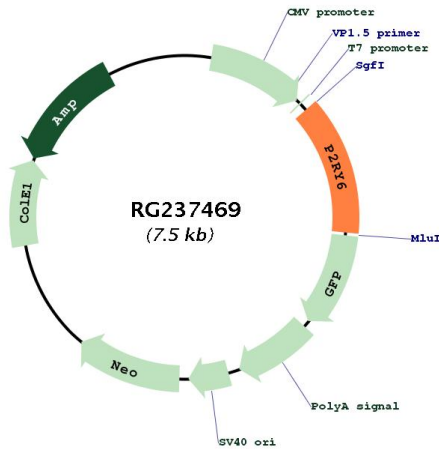
MEWDNGTGQALGLPPTTCVYRENFKQLLLPPVYSAVLAAGLPLNICVITQICTSRRALTRTAVYTLNLA
 LADLLYACSLPLLIYNYAQGDHWPFGDFACRLVRFLFYANLHGSILFLTCISFQRYLGICHPLAPWHKR
 GGRRAAWLVCVAVWLAVTTQCLPTAIFAATGIQRNRTVCYDLSPALATHYMPYGMALTVIGFLLPFAA
 LLACYCLLACRLCRQDGAEPVAQERRGKAARMAVVVAAAFASIFLPHITKTAYLAVRSTPGVPCTVL
 EAFAAAYKGRPFASANSVLDPIILFYFTQKKFRRRPHELLQKLTAKWQRQGR
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001277204

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_001277204.2
RefSeq Size:	2552 bp
RefSeq ORF:	987 bp
Locus ID:	5031
UniProt ID:	Q15077
Cytogenetics:	11q13.4
Protein Families:	Druggable Genome, GPCR, Transmembrane
Protein Pathways:	Neuroactive ligand-receptor interaction
MW:	36.4 kDa
Gene Summary:	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]