

Product datasheet for **RG210061**

P2Y11 (P2RY11) (NM_002566) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	P2Y11 (P2RY11) (NM_002566) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	P2Y11
Synonyms:	P2Y11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG210061 representing NM_002566 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAGCCAACGCTCGGGTGCCAAGTCTGCCCTGCCAACTTCTTGGCAGCTGCCGACGACAACTCA
GTGGGTTCCAGGGGACTTCTGTGGCCATACTGGTGGTTGAGTTCTGGTGGCCGTGGCCAGCAATGG
CCTGGCCCTGTACCGCTTACGATCCGGAAGCAGCGCCATGGCACCCCGCCGTGGTCTTCTGTCCAG
CTGGCAGTCAGCGACCTGCTCTGCGCTCTGACGCTGCCCGCTGGCCGCTACCTCTATCCCCAAGC
ACTGGCGCTATGGGGAGCGCGTGGCCCTGGAGCGCTTCTCTCACCTGCAACCTGTGGGCAGCGT
CATCTTACACCTGCATCAGCCTCAACCGCTACCTGGGCATCGTGCACCCCTTCTCGCCGAAGCCAC
CTGCGACCCAAGCAGCCTGGGCGTGAGCGCTGCCGGCTGGGTCTGGCCGCCCTGCAGGCCATGCCCA
CACTCAGCTTCTCCCACCTGAAGAGGCCGAGCAGGGGGCGGCAACTGCAGCGTGGCCAGGCCCGAGGC
CTGCATCAAGTGTCTGGGGACAGCAGACCAGGGCTGGCGGCTACAGAGCGTATAGCCTGGTGTGGCG
GGGTTGGGCTGCGGCTGCCGCTGCTGCTACGCTGGCAGCCTACGGCGCCCTCGGGCGGCCGTGCTAC
GCAGCCAGGCATGACTGTGGCCGAGAAGCTGCGTGTGGCAGCGTTGGTGGCCAGTGGTGTGGCCCTTA
CGCCAGCTCCTATGTGCCCTACCACATCATGCGGGTGTCAACGTGGATGCTCGGGCGCCTGGAGCACC
CGCTGCCGAGCTTTGCAGACATAGCCCAGGCCACAGCAGCCCTGGAGCTGGGGCCCTACGTGGGCTACC
AGGTGATGCGGGGCTCATGCCCTGGCCTTCTGTGTCCACCCTACTCTACATGGCCGAGTGGCCAG
CCTGGGCTGCTGCTGCCGACTGCCCGGCTACAGGGACAGCTGGAACCCAGAGGACGCCAAGAGCACT
GGCCAAGCCCTGCCCTCAATGCCACAGCCGCCCTAAACCGTCAGAGCCCGAGTCCCGTGGAGTGGCC
AA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG210061 representing NM_002566
 Red=Cloning site Green=Tags(s)

MAANVSGAKSCPANFLAAADDKLSGFQGDFLWPILVVEFLVAVASNGLALYRFSIRKQRPWHPAVVFSVQ
 LAVSDLICALTLPLAAYLYPPKHWRVGEAACRLERFLFTCNLLGSVIFITCISLNRYLGIVHPFFARSH
 LRPKHAWAVSAAGWVLAALQAMP T L S F S H L K R P Q Q G A G N C S V A R P E A C I K C L G T A D H G L A A Y R A Y S L V L A
 G L G C G L P L L L T L A A Y G A L G R A V L R S P G M T V A E K L R V A A L V A S G V A L Y A S S Y V P Y H I M R V L N V D A R R R W S T
 R C P S F A D I A Q A T A A L E L G P Y V G Y Q V M R G L M P L A F C V H P L L Y M A A V P S L G C C C R H C P G Y R D S W N P E D A K S T
 G Q A L P L N A T A A P K P S E P Q S R E L S Q

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_002566

ORF Size: 1122 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).

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](#), [NP_002557.2](#)

RefSeq Size: 1977 bp

RefSeq ORF: 1125 bp

Locus ID: 5032

UniProt ID: [Q96G91](#)

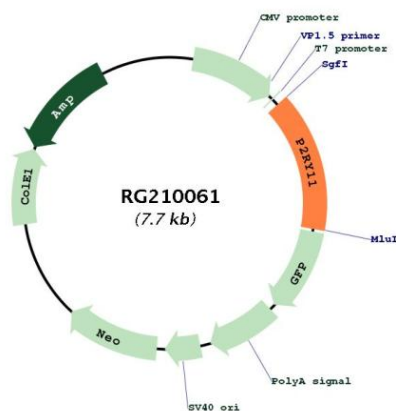
Cytogenetics: 19p13.2

Protein Families: Druggable Genome, GPCR, Transmembrane

Protein Pathways: Neuroactive ligand-receptor interaction

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]

Product images:



Circular map for RG210061