

Product datasheet for RC223878L2V

OriGene Technologies, Inc.

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P2Y2 (P2RY2) (NM_176071) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type: Lentiviral Particles

Product Name: P2Y2 (P2RY2) (NM_176071) Human Tagged ORF Clone Lentiviral Particle

Symbol: P2Y2

Synonyms: HP2U; P2RU1; P2U; P2U1; P2UR; P2Y2; P2Y2R

Mammalian Cell

Selection:

None

Vector: pLenti-C-mGFP (PS100071)

Tag: mGFP

ACCN: NM_176071 **ORF Size:** 1131 bp

ORF Nucleotide

The ORF insert of this clone is exactly the same as(RC223878).

Sequence:

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.

RefSeg: NM 176071.1

 RefSeq Size:
 2613 bp

 RefSeq ORF:
 1134 bp

 Locus ID:
 5029

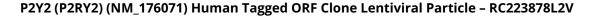
 UniProt ID:
 P41231

 Cytogenetics:
 11q13.4

Protein Families: Druggable Genome, GPCR, Transmembrane

Protein Pathways: Neuroactive ligand-receptor interaction





ORIGENE

MW: 42.1 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, found on many cell types, is activated by ATP and UTP and is reported to be overexpressed on some cancer cell types. It is involved in many cellular functions, such as proliferation, apoptosis and inflammation. Three transcript variants encoding the same protein have been identified for this gene. [provided by RefSeq, Mar 2013]