

## Product datasheet for **RC204159L3V**

### **P2Y2 (P2RY2) (NM\_002564) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	P2Y2 (P2RY2) (NM_002564) Human Tagged ORF Clone Lentiviral Particle
Symbol:	P2Y2
Synonyms:	HP2U; P2RU1; P2U; P2U1; P2UR; P2Y2; P2Y2R
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_002564
ORF Size:	1131 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC204159).
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. <a href="#">More info</a>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	<a href="#">NM_002564.2</a>
RefSeq Size:	8602 bp
RefSeq ORF:	1134 bp
Locus ID:	5029
UniProt ID:	<a href="#">P41231</a>
Cytogenetics:	11q13.4
Domains:	7tm_1
Protein Families:	Druggable Genome, GPCR, Transmembrane



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**Protein Pathways:** Neuroactive ligand-receptor interaction

**MW:** 42.2 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]