

Product datasheet for RC213478L1

OriGene Technologies, Inc.

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P2Y12 (P2RY12) (NM_176876) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: P2Y12 (P2RY12) (NM_176876) Human Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: P2Y12

Synonyms: ADPG-R; BDPLT8; HORK3; P2T(AC); P2Y(12)R; P2Y(AC); P2Y(ADP); P2Y(cyc); P2Y12; SP1999

Mammalian Cell None

Selection:

Vector:pLenti-C-Myc-DDK (PS100064)E. coli Selection:Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC213478).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF

ACCN: NM_176876

ORF Size: 1026 bp





P2Y12 (P2RY12) (NM_176876) Human Tagged Lenti ORF Clone - RC213478L1

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: <u>NM 176876.1</u>

 RefSeq Size:
 1474 bp

 RefSeq ORF:
 1029 bp

 Locus ID:
 64805

 UniProt ID:
 Q9H244

Protein Families: Druggable Genome, GPCR, Transmembrane

3q25.1

MW: 39.3 kDa

Cytogenetics:

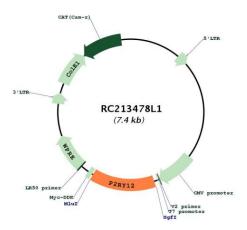
Gene Summary: The product of this gene belongs to the family of G-protein coupled receptors. This family has

several receptor subtypes with different pharmacological selectivity, which overlaps in some cases, for various adenosine and uridine nucleotides. This receptor is involved in platelet aggregation, and is a potential target for the treatment of thromboembolisms and other clotting disorders. Mutations in this gene are implicated in bleeding disorder, platelet type 8 (BDPLT8). Alternative splicing results in multiple transcript variants of this gene. [provided by

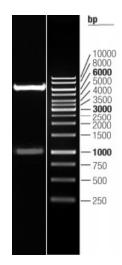
RefSeq, Jul 2013]



Product images:



Circular map for RC213478L1



Double digestion of RC213478L1 using Sgfl and Mlul $\,$