

Product datasheet for RC223413L4

OriGene Technologies, Inc.

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PLAGL1 (NM_001080953) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: PLAGL1 (NM_001080953) Human Tagged Lenti ORF Clone

Tag: mGFP Symbol: PLAGL1

Synonyms: LOT1; ZAC; ZAC1

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-mGFP-P2A-Puro (PS100093)

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone

Sequence:

The ORF insert of this clone is exactly the same as(RC223413).

Restriction Sites: Sgfl-Mlul

Cloning Scheme:



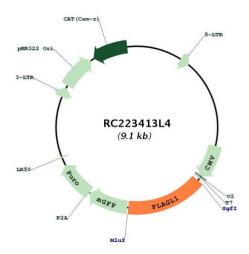


 $[\]ensuremath{^*}$ The last codon before the Stop codon of the ORF.





Plasmid Map:



ACCN: NM_001080953

ORF Size: 1389 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 001080953.1

RefSeq Size: 3379 bp RefSeq ORF: 1392 bp



PLAGL1 (NM_001080953) Human Tagged Lenti ORF Clone - RC223413L4

Locus ID: 5325

UniProt ID: Q9UM63
Cytogenetics: 6q24.2

Protein Families: Transcription Factors

MW: 50.8 kDa

Gene Summary: This gene encodes a C2H2 zinc finger protein that functions as a suppressor of cell growth.

This gene is often deleted or methylated and silenced in cancer cells. In addition,

overexpression of this gene during fetal development is thought to be the causal factor for transient neonatal diabetes mellitus (TNDM). Alternative splicing and the use of alternative promoters results in multiple transcript variants encoding two different protein isoforms. The P1 downstream promoter of this gene is imprinted, with preferential expression from the

paternal allele in many tissues. [provided by RefSeq, Nov 2015]