

Product datasheet for RC222024L4

PLP2 (NM_002668) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: PLP2 (NM_002668) Human Tagged Lenti ORF Clone

Tag: mGFP Symbol: PLP2

Synonyms: A4; A4LSB

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 is exactly the same as(RC222024).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





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

ACCN: NM_002668

ORF Size: 456 bp



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PLP2 (NM_002668) Human Tagged Lenti ORF Clone - RC222024L4

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 002668.1</u>

RefSeq Size: 1049 bp RefSeq ORF: 459 bp

Locus ID: 5355

UniProt ID: Q04941

Cytogenetics: Xp11.23

Protein Families: Transmembrane

MW: 16.7 kDa

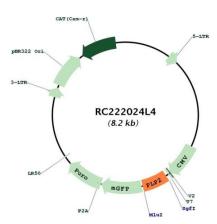
Gene Summary: This gene encodes an integral membrane protein that localizes to the endoplasmic reticulum

in colonic epithelial cells. The encoded protein can multimerize and may function as an ion channel. A polymorphism in the promoter of this gene may be linked to an increased risk of X-linked cognitive disability. A pseudogene of this gene is found on chromosome 5. [provided

by RefSeq, Jan 2010]



Product images:



Circular map for RC222024L4