

Product datasheet for RC213420L2

OriGene Technologies, Inc.

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PQLC2 (SLC66A1) (NM_017765) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: PQLC2 (SLC66A1) (NM_017765) Human Tagged Lenti ORF Clone

Tag: mGFP

Symbol: SLC66A1

Synonyms: LAAT-1; LAAT1; PQLC2

Mammalian Cell None

Selection:

Vector: pLenti-C-mGFP (PS100071)

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

ORF Nucleotide

The ORF insert of this clone is exactly the same as(RC213420).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





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

ACCN: NM_017765

ORF Size: 873 bp





PQLC2 (SLC66A1) (NM_017765) Human Tagged Lenti ORF Clone - RC213420L2

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.

CTNS

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 017765.2</u>

 RefSeq Size:
 1909 bp

 RefSeq ORF:
 876 bp

 Locus ID:
 54896

 UniProt ID:
 Q6ZP29

Cytogenetics: 1p36.13

Domains:

Protein Families: Transmembrane

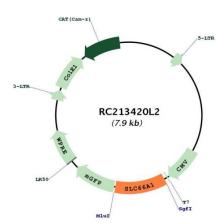
MW: 31.8 kDa

Gene Summary: Amino acid transporter that specifically mediates the pH-dependent export of the cationic

amino acids arginine, histidine and lysine from lysosomes.[UniProtKB/Swiss-Prot Function]



Product images:



Circular map for RC213420L2