

Product datasheet for RC214212L4

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OriGene Technologies, Inc.

KIAA0319 (NM_014809) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: KIAA0319 (NM_014809) Human Tagged Lenti ORF Clone

Tag: mGFP

Symbol: KIAA0319

Synonyms: AAVR; DYLX2; DYX2; NMIG

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 c

Sequence:

The ORF insert of this clone is exactly the same as(RC214212).

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





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

ACCN: NM_014809

ORF Size: 3216 bp





KIAA0319 (NM_014809) Human Tagged Lenti ORF Clone - RC214212L4

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 014809.2</u>

 RefSeq Size:
 6801 bp

 RefSeq ORF:
 3219 bp

 Locus ID:
 9856

 UniProt ID:
 Q5VV43

Cytogenetics: 6p22.3

Domains: PKD

Protein Families: Transmembrane

MW: 117.8 kDa

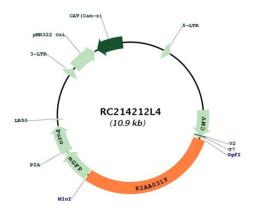
Gene Summary: This gene encodes a transmembrane protein that contains a large extracellular domain with

multiple polycystic kidney disease (PKD) domains. The encoded protein may play a role in the development of the cerebral cortex by regulating neuronal migration and cell adhesion. Single nucleotide polymorphisms in this gene are associated with dyslexia. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by

RefSeq, Nov 2011]



Product images:



Circular map for RC214212L4