

Product datasheet for RC220066L4

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OriGene Technologies, Inc.

APOL3 (NM_145640) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: APOL3 (NM_145640) Human Tagged Lenti ORF Clone

Tag: mGFP Symbol: APOL3

Synonyms: apoL-III; APOLIII; CG12_1; CG121

Mammalian Cell Puromycin

Selection:

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

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

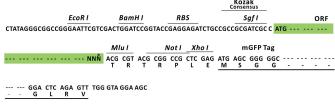
ORF Nucleotide The ORF insert of this clone is exactly the same as(RC220066).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





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

ACCN: NM_145640

ORF Size: 1206 bp





APOL3 (NM_145640) Human Tagged Lenti ORF Clone - RC220066L4

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 145640.1</u>

 RefSeq Size:
 2118 bp

 RefSeq ORF:
 1209 bp

 Locus ID:
 80833

 UniProt ID:
 095236

 Cytogenetics:
 22q12.3

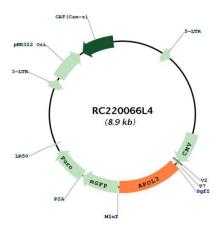
MW: 44.1 kDa

Gene Summary: This gene is a member of the apolipoprotein L gene family, and it is present in a cluster with

other family members on chromosome 22. The encoded protein is found in the cytoplasm, where it may affect the movement of lipids, including cholesterol, and/or allow the binding of lipids to organelles. In addition, expression of this gene is up-regulated by tumor necrosis factor-alpha in endothelial cells lining the normal and atherosclerotic iliac artery and aorta. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2015]



Product images:



Circular map for RC220066L4