

## Product datasheet for RC201268L4

#### OriGene Technologies, Inc.

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### PAFAH1B3 (NM\_002573) Human Tagged Lenti ORF Clone

#### **Product data:**

**Product Type:** Expression Plasmids

Product Name: PAFAH1B3 (NM\_002573) Human Tagged Lenti ORF Clone

Tag: mGFP

Symbol: PAFAH1B3
Synonyms: PAFAHG

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(RC201268).

Sequence:

riction Sites: Sgfl-Mlul

Restriction Sites: Cloning Scheme:





<sup>\*</sup> The last codon before the Stop codon of the ORF

**ACCN:** NM\_002573

ORF Size: 693 bp





#### PAFAH1B3 (NM\_002573) Human Tagged Lenti ORF Clone - RC201268L4

**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 002573.2

 RefSeq Size:
 1086 bp

 RefSeq ORF:
 696 bp

 Locus ID:
 5050

 UniProt ID:
 Q15102

Cytogenetics: 19q13.2

**Protein Families:** Druggable Genome

**Protein Pathways:** Ether lipid metabolism, Metabolic pathways

**MW:** 25.7 kDa

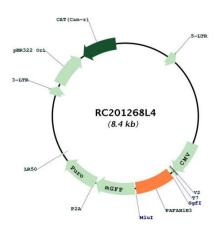
**Gene Summary:** This gene encodes an acetylhydrolase that catalyzes the removal of an acetyl group from the

glycerol backbone of platelet-activating factor. The encoded enzyme is a subunit of the platelet-activating factor acetylhydrolase isoform 1B complex, which consists of the catalytic beta and gamma subunits and the regulatory alpha subunit. This complex functions in brain development. A translocation between this gene on chromosome 19 and the CDC-like kinase 2 gene on chromosome 1 has been observed, and was associated with cognitive disability, ataxia, and atrophy of the brain. Alternatively spliced transcript variants have been described.

[provided by RefSeq, Mar 2009]



# **Product images:**



Circular map for RC201268L4