

## Product datasheet for **RC227227L4V**

### **PAFAH1B3 (NM\_001145939) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	PAFAH1B3 (NM_001145939) Human Tagged ORF Clone Lentiviral Particle
Symbol:	PAFAH1B3
Synonyms:	PAFAHG
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001145939
ORF Size:	693 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC227227).
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. <a href="#">More info</a>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	<a href="#">NM_001145939.1</a> , <a href="#">NP_001139411.1</a>
RefSeq Size:	1108 bp
RefSeq ORF:	696 bp
Locus ID:	5050
UniProt ID:	<a href="#">Q15102</a>
Cytogenetics:	19q13.2
Protein Families:	Druggable Genome
Protein Pathways:	Ether lipid metabolism, Metabolic pathways

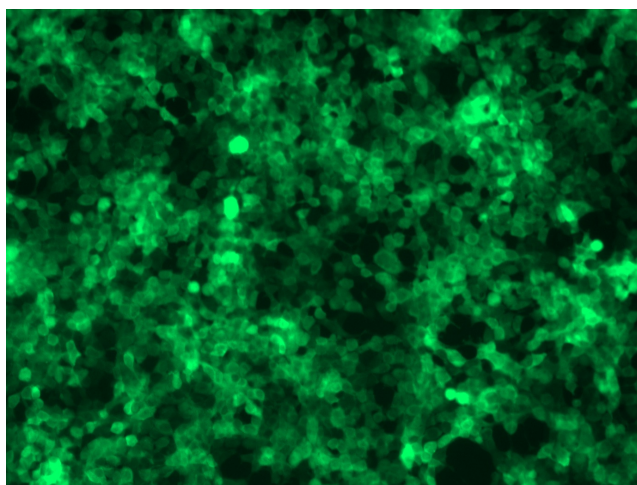


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MW: 25.7 kDa

**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:



[RC227227L4] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with RC227227L4V particle to overexpress human PAF1B3-mGFP fusion protein.