

## Product datasheet for RC206189L3V

## OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

## RAIN (RASIP1) (NM\_017805) Human Tagged ORF Clone Lentiviral Particle

**Product data:** 

**Product Type:** Lentiviral Particles

**Product Name:** RAIN (RASIP1) (NM\_017805) Human Tagged ORF Clone Lentiviral Particle

Symbol: RASIP'
Synonyms: RAIN

Mammalian Cell

Selection:

Puromycin

**Vector:** pLenti-C-Myc-DDK-P2A-Puro (PS100092)

 Tag:
 Myc-DDK

 ACCN:
 NM\_017805

 ORF Size:
 2889 bp

**ORF Nucleotide** 

OTI Disclaimer:

2009 bp

Sequence:

The ORF insert of this clone is exactly the same as(RC206189).

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.

**RefSeg:** NM 017805.2, NP 060275.2

 RefSeq Size:
 3311 bp

 RefSeq ORF:
 2892 bp

 Locus ID:
 54922

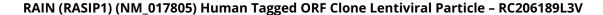
 UniProt ID:
 Q5U651

 Cytogenetics:
 19q13.33

Domains: DIL

MW: 103.5 kDa







## **Gene Summary:**

Required for the proper formation of vascular structures that develop via both vasculogenesis and angiogenesis. Acts as a critical and vascular-specific regulator of GTPase signaling, cell architecture, and adhesion, which is essential for endothelial cell morphogenesis and blood vessel tubulogenesis. Regulates the activity of Rho GTPases in part by recruiting ARHGAP29 and suppressing RhoA signaling and dampening ROCK and MYH9 activities in endothelial cells (By similarity). May act as effector for Golgi-bound HRAS and other Ras-like proteins. May promote HRAS-mediated transformation. Negative regulator of amino acid starvation-induced autophagy.[UniProtKB/Swiss-Prot Function]