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Product datasheet for RC206189L3V

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:	RASIP1
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 Sequence:	The ORF insert of this clone is exactly the same as(RC206189).
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.
RefSeq:	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

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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]