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Product datasheet for RC216977L2V

WAVE 1 (WASF1) (NM_003931) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	WAVE 1 (WASF1) (NM_003931) Human Tagged ORF Clone Lentiviral Particle
Symbol:	WAVE 1
Synonyms:	NEDALVS; SCAR1; WAVE; WAVE1
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_003931
ORF Size:	1677 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC216977).
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_003931.2
RefSeq Size:	3230 bp
RefSeq ORF:	1680 bp
Locus ID:	8936
UniProt ID:	Q92558
Cytogenetics:	6q21
Domains:	WH2
Protein Families:	Druggable Genome

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Protein Pathways: Adherens junction, Fc gamma R-mediated phagocytosis, Regulation of actin cytoskeleton

MW: 61.5 kDa

Gene Summary: The protein encoded by this gene, a member of the Wiskott-Aldrich syndrome protein (WASP)-family, plays a critical role downstream of Rac, a Rho-family small GTPase, in regulating the actin cytoskeleton required for membrane ruffling. It has been shown to associate with an actin nucleation core Arp2/3 complex while enhancing actin polymerization in vitro. Wiskott-Aldrich syndrome is a disease of the immune system, likely due to defects in regulation of actin cytoskeleton. Multiple alternatively spliced transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jul 2008]