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Product datasheet for RC203544L1V

VASP (NM_003370) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	VASP (NM_003370) Human Tagged ORF Clone Lentiviral Particle
Symbol:	VASP
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_003370
ORF Size:	1140 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC203544).
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_003370.3
RefSeq Size:	2298 bp
RefSeq ORF:	1143 bp
Locus ID:	7408
UniProt ID:	P50552
Cytogenetics:	19q13.32
Protein Families:	Druggable Genome, Stem cell - Pluripotency
Protein Pathways:	Fc gamma R-mediated phagocytosis, Focal adhesion, Leukocyte transendothelial migration
MW:	40.3 kDa

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Gene Summary: Vasodilator-stimulated phosphoprotein (VASP) is a member of the Ena-VASP protein family. Ena-VASP family members contain an EHV1 N-terminal domain that binds proteins containing E/DFPPPPXD/E motifs and targets Ena-VASP proteins to focal adhesions. In the mid-region of the protein, family members have a proline-rich domain that binds SH3 and WW domain-containing proteins. Their C-terminal EVH2 domain mediates tetramerization and binds both G and F actin. VASP is associated with filamentous actin formation and likely plays a widespread role in cell adhesion and motility. VASP may also be involved in the intracellular signaling pathways that regulate integrin-extracellular matrix interactions. VASP is regulated by the cyclic nucleotide-dependent kinases PKA and PKG. [provided by RefSeq, Jul 2008]