Product datasheet for RC224292L1V

VRK3 (NM_016440) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	VRK3 (NM_016440) Human Tagged ORF Clone Lentiviral Particle
Symbol:	VRK3
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_016440
ORF Size:	1422 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC224292).
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_016440.3
RefSeq Size:	2129 bp
RefSeq ORF:	1425 bp
Locus ID:	51231
UniProt ID:	Q8IV63
Cytogenetics:	19q13.33
Domains:	S_TKc
Protein Families:	Druggable Genome, Protein Kinase
MW:	52.9 kDa

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Gene Summary: This gene encodes a member of the vaccinia-related kinase (VRK) family of serine/threonine protein kinases. In both human and mouse, this gene has substitutions at several residues within the ATP binding motifs that in other kinases have been shown to be required for catalysis. In vitro assays indicate the protein lacks phosphorylation activity. The protein, however, likely retains its substrate binding capability. This gene is widely expressed in human tissues and its protein localizes to the nucleus. Alternative splicing results in multiple transcripts encoding different isoforms. [provided by RefSeq, Jul 2008]