

## Product datasheet for **RC206522L4V**

### VRK2 (NM\_006296) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	VRK2 (NM_006296) Human Tagged ORF Clone Lentiviral Particle
Symbol:	VRK2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_006296
ORF Size:	1524 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC206522).
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. <a href="#">More info</a>
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:	<a href="#">NM_006296.3</a>
RefSeq Size:	1986 bp
RefSeq ORF:	1527 bp
Locus ID:	7444
UniProt ID:	<a href="#">Q86Y07</a>
Cytogenetics:	2p16.1
Domains:	pkinase, S_TKc
Protein Families:	Druggable Genome, Protein Kinase, Transmembrane
MW:	58.1 kDa



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**Gene Summary:**

This gene encodes a member of the vaccinia-related kinase (VRK) family of serine/threonine protein kinases. The encoded protein acts as an effector of signaling pathways that regulate apoptosis and tumor cell growth. Variants in this gene have been associated with schizophrenia. Alternative splicing results in multiple transcript variants that differ in their subcellular localization and biological activity. [provided by RefSeq, Jan 2014]