

## Product datasheet for **RC216021L3V**

### NEK8 (NM\_178170) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	NEK8 (NM_178170) Human Tagged ORF Clone Lentiviral Particle
Symbol:	NEK8
Synonyms:	JCK; NEK12A; NPHP9; RHPD2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_178170
ORF Size:	2076 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC216021).
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_178170.2</a>
RefSeq Size:	2858 bp
RefSeq ORF:	2079 bp
Locus ID:	284086
UniProt ID:	<a href="#">Q86SG6</a>
Cytogenetics:	17q11.2
Protein Families:	Druggable Genome, Protein Kinase
MW:	74.6 kDa



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**Gene Summary:**

This gene encodes a member of the serine/threonine protein kinase family related to NIMA (never in mitosis, gene A) of *Aspergillus nidulans*. The encoded protein may play a role in cell cycle progression from G2 to M phase. Mutations in the related mouse gene are associated with a disease phenotype that closely parallels the juvenile autosomal recessive form of polycystic kidney disease in humans. [provided by RefSeq, Jul 2008]