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Product datasheet for RC208133L2V

NEK2 (NM_002497) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	NEK2 (NM_002497) Human Tagged ORF Clone Lentiviral Particle
Symbol:	NEK2
Synonyms:	HsPK21; NEK2A; NLK1; PPP1R111; RP67
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_002497
ORF Size:	1335 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC208133).
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_002497.2
RefSeq Size:	2161 bp
RefSeq ORF:	1338 bp
Locus ID:	4751
UniProt ID:	P51955
Cytogenetics:	1q32.3
Domains:	pkinase, TyrKc, S_TKc
Protein Families:	Druggable Genome, Protein Kinase

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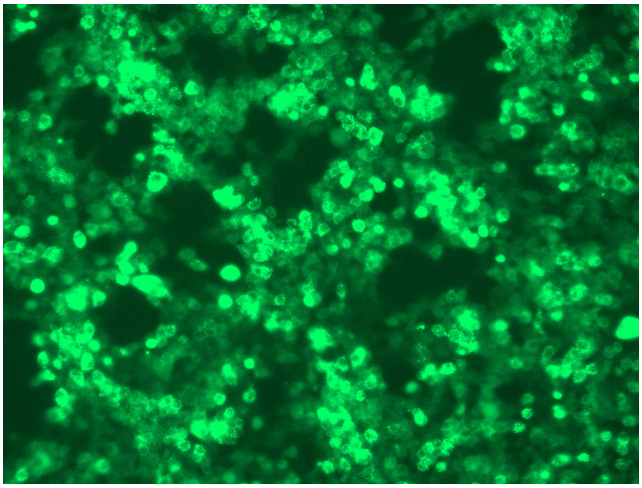
MW: 51.8 kDa

Gene Summary: This gene encodes a serine/threonine-protein kinase that is involved in mitotic regulation. This protein is localized to the centrosome, and undetectable during G1 phase, but accumulates progressively throughout the S phase, reaching maximal levels in late G2 phase. Alternatively spliced transcript variants encoding different isoforms with distinct C-termini have been noted for this gene. [provided by RefSeq, Feb 2011]

Product images:



[RC208133L2] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with RC208133L2V particle to overexpress human NEK2-mGFP fusion protein.