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Product datasheet for RC209827L3V

LOK (STK10) (NM_005990) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	LOK (STK10) (NM_005990) Human Tagged ORF Clone Lentiviral Particle
Symbol:	LOK
Synonyms:	LOK; PRO2729
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_005990
ORF Size:	2904 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC209827).
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_005990.2, NP_005981.2
RefSeq Size:	6039 bp
RefSeq ORF:	2907 bp
Locus ID:	6793
UniProt ID:	O94804
Cytogenetics:	5q35.1
Domains:	pkinase, TyrKc, S_TKc
Protein Families:	Druggable Genome, Protein Kinase

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MW: 112.1 kDa

Gene Summary: This gene encodes a member of the Ste20 family of serine/threonine protein kinases, and is similar to several known polo-like kinase kinases. The protein can associate with and phosphorylate polo-like kinase 1, and overexpression of a kinase-dead version of the protein interferes with normal cell cycle progression. The kinase can also negatively regulate interleukin 2 expression in T-cells via the mitogen activated protein kinase kinase 1 pathway. [provided by RefSeq, Jul 2008]