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Product datasheet for RC202885L2V

LKB1 (STK11) (NM_000455) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	LKB1 (STK11) (NM_000455) Human Tagged ORF Clone Lentiviral Particle
Symbol:	LKB1
Synonyms:	hLKB1; LKB1; PJS
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_000455
ORF Size:	1299 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC202885).
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_000455.4
RefSeq Size:	3286 bp
RefSeq ORF:	1302 bp
Locus ID:	6794
UniProt ID:	Q15831
Cytogenetics:	19p13.3
Domains:	pkinase, TyrKc, S_TKc
Protein Families:	Druggable Genome, Protein Kinase

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Protein Pathways: Adipocytokine signaling pathway, mTOR signaling pathway

MW: 48.5 kDa

Gene Summary: This gene, which encodes a member of the serine/threonine kinase family, regulates cell polarity and functions as a tumor suppressor. Mutations in this gene have been associated with Peutz-Jeghers syndrome, an autosomal dominant disorder characterized by the growth of polyps in the gastrointestinal tract, pigmented macules on the skin and mouth, and other neoplasms. Alternate transcriptional splice variants of this gene have been observed but have not been thoroughly characterized. [provided by RefSeq, Jul 2008]