

## Product datasheet for RC402193

### LKB1 (STK11) (NM\_000455) Human Mutant ORF Clone

#### Product data:

Product Type:	Mutant ORF Clones
Product Name:	LKB1 (STK11) (NM_000455) Human Mutant ORF Clone
Mutation Description:	Y60X
Affected Codon#:	60
Affected NT#:	180
Nucleotide Mutation:	STK11 Mutant (Y60X), Myc-DDK-tagged ORF clone of Homo sapiens serine/threonine kinase 11 (STK11) as transfection-ready DNA
Effect:	Peutz-Jeghers syndrome
Symbol:	STK11
Synonyms:	hLKB1; LKB1; PJS
E. coli Selection:	Kanamycin (25 ug/mL)
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
Tag:	Myc-DDK
ACCN:	NM_000455
ORF Size:	177 bp
Restriction Sites:	SgfI-MluI
ORF Nucleotide Sequence:	>RC402193 representing NM_000455 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGGTGGTGGACCCGAGCAGCTGGGCATGTTACCGAGGGCGAGCTGATGTCGGTGGGTATGGACA  
CGTTTCATCCACCGCATCGACTCCACCGAGGTCTCTACCGCCGCGCAAGCGGGCCAAGCTCATCGG  
CAAGTACCTGATGGGGACCTGCTGGGGGAAGGCTCT

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
TGGATTACAAGGATGACGACGA TAAGGTTTAA



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<b>Locus ID:</b>	6794
<b>Cytogenetics:</b>	19p13.3
<b>Domains:</b>	pkinase, TyrKc, S_TKc
<b>Protein Families:</b>	Druggable Genome, Protein Kinase
<b>Protein Pathways:</b>	Adipocytokine signaling pathway, mTOR signaling pathway
<b>MW:</b>	6.5 kDa
<b>Gene Summary:</b>	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]