

## Product datasheet for **MR206953L4V**

### Stk11 (NM\_011492) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Stk11 (NM_011492) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Stk11
Synonyms:	AA408040; Lkb1; Par-4; R75140
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_011492
ORF Size:	1308 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR206953).
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_011492.3</a>
RefSeq Size:	1643 bp
RefSeq ORF:	1311 bp
Locus ID:	20869
UniProt ID:	<a href="#">Q9WTK7</a>
Cytogenetics:	10 C1


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**Gene Summary:**

This gene encodes a member of the serine/threonine kinase family. The encoded protein, a known tumor suppressor, activates (via phosphorylation) adenine monophosphate-activated protein kinase (AMPK) and AMPK-related kinase proteins. This upstream regulation of the AMPK pathway is thought to regulate a number of different processes, including cell metabolism, cell polarity, apoptosis and DNA damage response. Mutations in a similar gene in human have been associated with Peutz-Jeghers syndrome. Alternative splicing results in multiple transcript variants, including the S isoform which plays a potential role in spermiogenesis. [provided by RefSeq, Sep 2014]