

## Product datasheet for **RC224117L4V**

### TESK2 (NM\_007170) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	TESK2 (NM_007170) Human Tagged ORF Clone Lentiviral Particle
Symbol:	TESK2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_007170
ORF Size:	1713 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC224117).
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_007170.2</a>
RefSeq Size:	3093 bp
RefSeq ORF:	1716 bp
Locus ID:	10420
UniProt ID:	<a href="#">Q96S53</a>
Cytogenetics:	1p34.1
Domains:	pkinase, TyrKc, S_TKc
Protein Families:	Druggable Genome, Protein Kinase
MW:	63.5 kDa



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**Gene Summary:**

This gene product is a serine/threonine protein kinase that contains an N-terminal protein kinase domain that is structurally similar to the kinase domains of testis-specific protein kinase-1 and the LIM motif-containing protein kinases (LIMKs). Its overall structure is most related to the former, indicating that it belongs to the TESK subgroup of the LIMK/TESK family of protein kinases. This gene is predominantly expressed in testis and prostate. The developmental expression pattern of the rat gene in testis suggests an important role for this gene in meiotic stages and/or early stages of spermiogenesis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2016]