

## Product datasheet for **RC219375L4V**

### LCK (NM\_005356) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	LCK (NM_005356) Human Tagged ORF Clone Lentiviral Particle
Symbol:	LCK
Synonyms:	IMD22; LSK; p56lck; pp58lck; YT16
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_005356
ORF Size:	1527 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC219375).
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_005356.2</a>
RefSeq Size:	2032 bp
RefSeq ORF:	1530 bp
Locus ID:	3932
UniProt ID:	<a href="#">P06239</a>
Cytogenetics:	1p35.2
Domains:	ptkase, SH2, TyrKc, SH3, S_TKc
Protein Families:	Druggable Genome, Protein Kinase, Stem cell - Pluripotency



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<b>Protein Pathways:</b>	Natural killer cell mediated cytotoxicity, Primary immunodeficiency, T cell receptor signaling pathway
<b>MW:</b>	57.8 kDa
<b>Gene Summary:</b>	This gene is a member of the Src family of protein tyrosine kinases (PTKs). The encoded protein is a key signaling molecule in the selection and maturation of developing T-cells. It contains N-terminal sites for myristylation and palmylation, a PTK domain, and SH2 and SH3 domains which are involved in mediating protein-protein interactions with phosphotyrosine-containing and proline-rich motifs, respectively. The protein localizes to the plasma membrane and pericentrosomal vesicles, and binds to cell surface receptors, including CD4 and CD8, and other signaling molecules. Multiple alternatively spliced variants encoding different isoforms have been described. [provided by RefSeq, Aug 2016]