

## Product datasheet for **RC222406L3V**

### CHKL (CHKB) (NM\_152253) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	CHKL (CHKB) (NM_152253) Human Tagged ORF Clone Lentiviral Particle
Symbol:	CHKL
Synonyms:	CHETK; CHKL; choline/ethanolamine kinase; choline kinase-like; choline kinase beta; CKEKB; EKB
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_152253
ORF Size:	381 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC222406).
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_152253.1</a> , <a href="#">NP_689466.1</a>
RefSeq Size:	4914 bp
RefSeq ORF:	383 bp
Locus ID:	1120
Cytogenetics:	22q13.33
Domains:	Carn_acyltransf
Protein Families:	Druggable Genome



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**Protein Pathways:** Glycerophospholipid metabolism, Metabolic pathways

**MW:** 13.3 kDa

**Gene Summary:** Choline kinase (CK) and ethanolamine kinase (EK) catalyze the phosphorylation of choline/ethanolamine to phosphocholine/phosphoethanolamine. This is the first enzyme in the biosynthesis of phosphatidylcholine/phosphatidylethanolamine in all animal cells. The highly purified CKs from mammalian sources and their recombinant gene products have been shown to have EK activity also, indicating that both activities reside on the same protein. The choline kinase-like protein encoded by CHKL belongs to the choline/ethanolamine kinase family; however, its exact function is not known. Read-through transcripts are expressed from this locus that include exons from the downstream CPT1B locus. [provided by RefSeq, Jun 2009]