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Product datasheet for RC210253L2V

CHKL (CHKB) (NM_005198) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	CHKL (CHKB) (NM_005198) Human Tagged ORF Clone Lentiviral Particle
Symbol:	CHKL
Synonyms:	CHETK; CHKL; CK; CKB; CKEKB; EK; EKB; MDCMC
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_005198
ORF Size:	1185 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC210253).
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. More info
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:	NM_005198.3
RefSeq Size:	1595 bp
RefSeq ORF:	1188 bp
Locus ID:	1120
UniProt ID:	Q9Y259
Cytogenetics:	22q13.33
Domains:	Choline_kinase
Protein Families:	Druggable Genome

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Protein Pathways: Glycerophospholipid metabolism, Metabolic pathways

MW: 45.1 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]