

Product datasheet for **SC202954**

CHKL (CHKB) (NM_005198) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	CHKL (CHKB) (NM_005198) Human 3' UTR Clone
Symbol:	CHKL
Synonyms:	CHETK; CHKL; CK; CKB; CKEKB; EK; EKB; MDCMC
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_005198
Insert Size:	248 bp
Insert Sequence:	>SC202954 3'UTR clone of NM_005198 The sequence shown below is from the reference sequence of NM_005198. The complete sequence of this clone may contain minor differences, such as SNPs. Blue =Stop Codon Red =Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAA GCGATCGCC CAGCTGACCAGTGTCCACTCCTCATCC TGACTCCACCCTCCCACTCCTTGGATTTCTCTGGAGCCTCC AGGGCAGGACCTTGGAGGGAGGAACAACGAGCAGAAGGCCCTGGCGACTGGGCTGAGCCCCAAGTGAA ACTGAGGTTCCAGGAGACCGCCTGTTCTGAGTTT GAGTAGTCCCATGGCTGGCAGGCCAGAGCCCC GTGCTGTGTATGTAACACAATAACAAGCTTCTTCTTCCA ACGCGT AAGCGGCCGCGCATCTAGATT CGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA CGAGATTT CGATTCCACCGCCGCTTCTATGAAAGG
Restriction Sites:	Sgfl-MluI
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	<u>NM_005198.5</u>



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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]

Locus ID: 1120

MW: 8.9