

Recombinant Full Length Human CHKB Protein

Cat. No. CHKB-78HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human CHKL with a N terminal proprietary tag; Predicted MWt 69.52 kDa.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	395 amino acids
Description	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.
Form	Liquid
Molecular Mass	69.520kDa inclusive of tags
AA Sequence	MAAEATAVAGSGAVGGCLAKDGLQQSKCPDTPKRRRASS LSRDAERRAYQWCR EYLGGAWRVRVQPEELRVYPVSGGLSN LLFRCSLPDHLPVSGEEPREVLRLYGAIL

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QGVDSLVLLES VMFAILAERSLGPQLYGVFPEGRLEQYIPSRPLKTQELRE PVLSAAI
 ATKMAQFHGMEMPFTKEPHWLFGMTERYLKQIQ DLPPTGLPEMNLLEMYSKDEM
 GNLRKLLSTPSPVVFCH NDIQEGNILLSEPENADSLMLVDFEYSSYNYRGFDIGN
 H FCEWVYDYTEHEWPFYKARPTDYPTQEQLHFIRHYLAEA KKGETLSQEEQRKL
 EEDLLVEVSRYALASHFFWGLWSILQ ASMSTIEFGYLDYAQSRFQFYFQQKGQLTS
 VHSSS

Purity Proprietary Purification

Storage Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles.

Storage Buffer pH: 8.00. Constituents: 0.79% Tris HCl, 0.31% Glutathione.

GENE INFORMATION

Gene Name CHKB choline kinase beta [Homo sapiens]

Official Symbol CHKB

Synonyms CHKB; choline kinase beta; CHKL, choline kinase like; choline/ethanolamine kinase; CHETK

Gene ID 1120

mRNA Refseq NM_005198

Protein Refseq NP_005189

MIM 612395

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UniProt ID

Q9Y259

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