

Recombinant Human CHKB Protein, His-tagged

Cat. No. CHKB-775H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human CHKB Protein (Phe238-Ser395) with His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Phe238-Ser395
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	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 22.5 kDa; Accurate Molecular Mass: 23 kDa
Purity	> 90%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	CHKB choline kinase beta [Homo sapiens (human)]
Official Symbol	CHKB
Synonyms	CHKB; choline kinase beta; CHKL, choline kinase like; choline/ethanolamine kinase; CHETK; ethanolamine kinase beta; choline kinase-like protein; CK; EK; CKB; EKB; CHKL; CKEKB; MDCMC;
Gene ID	1120
mRNA Refseq	NM_005198
Protein Refseq	NP_005189
MIM	612395

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UniProt ID

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