

Recombinant Human CHKB Protein, GST-Tagged

Cat. No. CHKB-1243H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CHKB full-length ORF (NP_005189.2, 1 a.a. - 395 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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. [provided by RefSeq, Jun 2009]
Molecular Mass	71.7 kDa
AA Sequence	MAAEATAVAGSGAVGGCLAKDGLQSKCPDTPKRRRASSLSRDAERRAYQWCR EYLGGAWRRVQPEELRVYPVSGGLSNLLFRCSLPDHLPSVGEEPREVLLRLYGAIL QGVDSLVLVESVMFAILAERSLGPQLYGVFPEGRLEQYIPSRPLKTQELREPVLSAAIA TKMAQFHGMEMPFTKEPHWLFGTMERYLKQIQDLPPTGLPEMNLLEMYSLKDEMG NLRKLLSTPSPVVFCHNDIQEGNILLSEPENADSLMLVDFEYSSYNYRGFDIGNHF

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CEWVYDYTHEEWPFYKARPTDYPTQEQLHFIRHYLAEAKKGETLSQEEQRKLEED
LLVEVSRYALASHFFWGLWSILQASMSTIEFGYLDYAQSRFQFYFQQKGQLTSVHSS
S

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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; 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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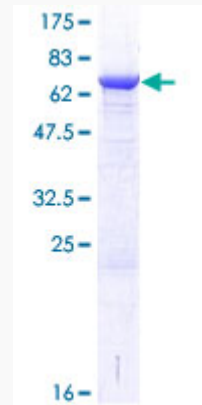
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UniProt ID

Q9Y259

Quality Control
Testing



12.5% SDS-PAGE Stained with Coomassie Blue.

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