

Specifications:

Gene:	hCKB
Accession:	NP_001814.2
Insert size:	1159bp
Concentration:	10µg at 0.2µg/µL

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

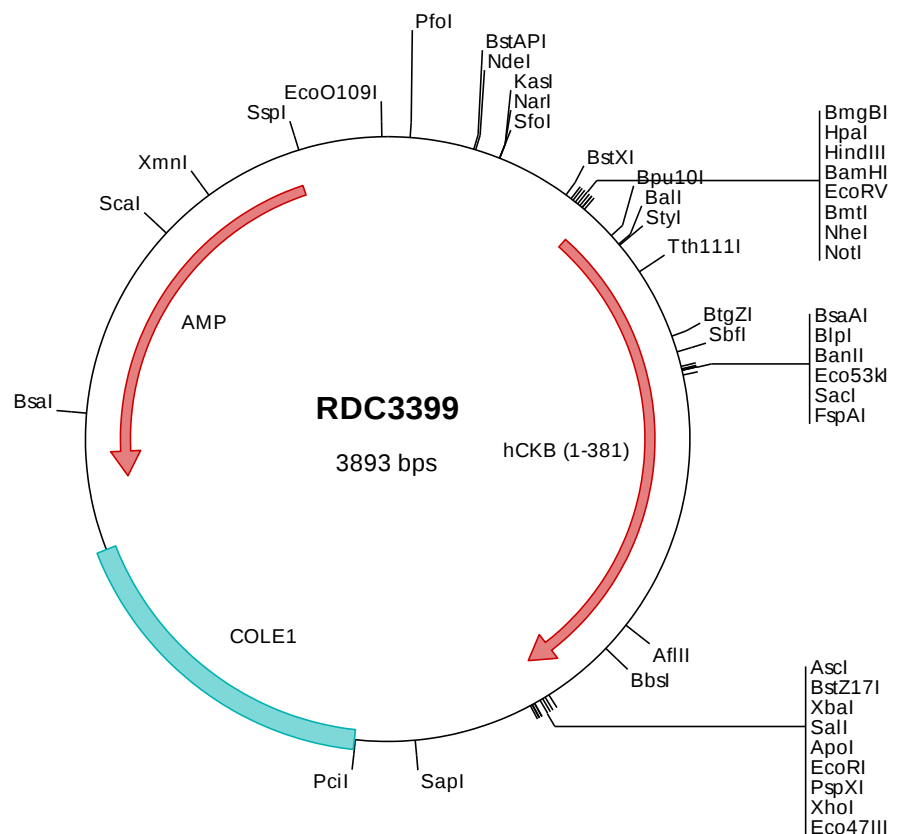
hCreatine Kinase BB cDNA Plasmid

CKB creatine kinase B [*Homo sapiens* (human)]

Also known as: BCK; B-CK; CKBB; CPK-B; HEL-211; HEL-S-29

Summary:

CKB is a cytoplasmic enzyme involved in energy homeostasis. It reversibly catalyzes the transfer of phosphate between ATP and various phosphogens such as creatine phosphate. CKB acts as a homodimer in brain as well as in other tissues, and as a heterodimer with a similar muscle isozyme in heart. It is a member of the ATP:guanido phosphotransferase protein family.



> RDC3399 Plasmid DNA Sequence

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1   tcgcgcgcttt cggatgatgac ggtgaaaacc tctgacacat gcagctcccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
101  tcaggggcgcg tcagcgggtg ttggcgggtg tcggggctgg ctttaactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201  ccgcacacgat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctcgcg aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
301  tacgccagctt ggcgaaaagg ggatgtgtct caaggcgatt aagttgggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgatt
401  ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgcccacc atgcccttct ccaacagcca caacgcactg aagctgcgtt tcccggccga
501  ggacgagttc cccgacctga gcgccacaaa caaccacatg gccaaagtgc tgacccccga gctgtacgcg gagctgcgcg ccaagagcac gccgagcggc
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701  tgttcaaggga tcttttcgac cccatcatcg aggacggcca cggcggttac aagcccagcg atgagcacia gaccgacctc aaccccgaca acctgcaggg
801  cggcgacgac ctggacccca actacgtgct gagctcgcgg gtgcgcagcg gccgcagcat ccgtggcttc tgccctcccc cgcaactcag ccgcggggag
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2001 acgcaggaata gaacatgtga gcaaaaggcc agcaaaaggc caggaaacct aaaaaggcgg cgttgcgtgc gtttttccat aggcctcgcc cccctgacga
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3801 catttccccg aaaagtgcc aactgacgtc aagaaacctt tattatcatg acattaacct ataaaaatag gcgtatcacg aggccctttc gtc

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> RDC3399 Translated Insert Sequence

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201  lllasgmard wpdargiwhn dnktflwvwn eedhlrvism qkggnmkevf trfctglgti etlfkskdye fmwnphlgyi ltcpnslgtg lagrvhiklp
301  nlgkhekfse vlkrlrlqkr gtggvdttaav ggvfdvsnad rlgfsevelv qmvdvgvkl1 iemeqrleqg qaiddlmpaq k

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