

Specifications:

Gene:	<i>hCKM</i>
Accession:	NP_001815
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.

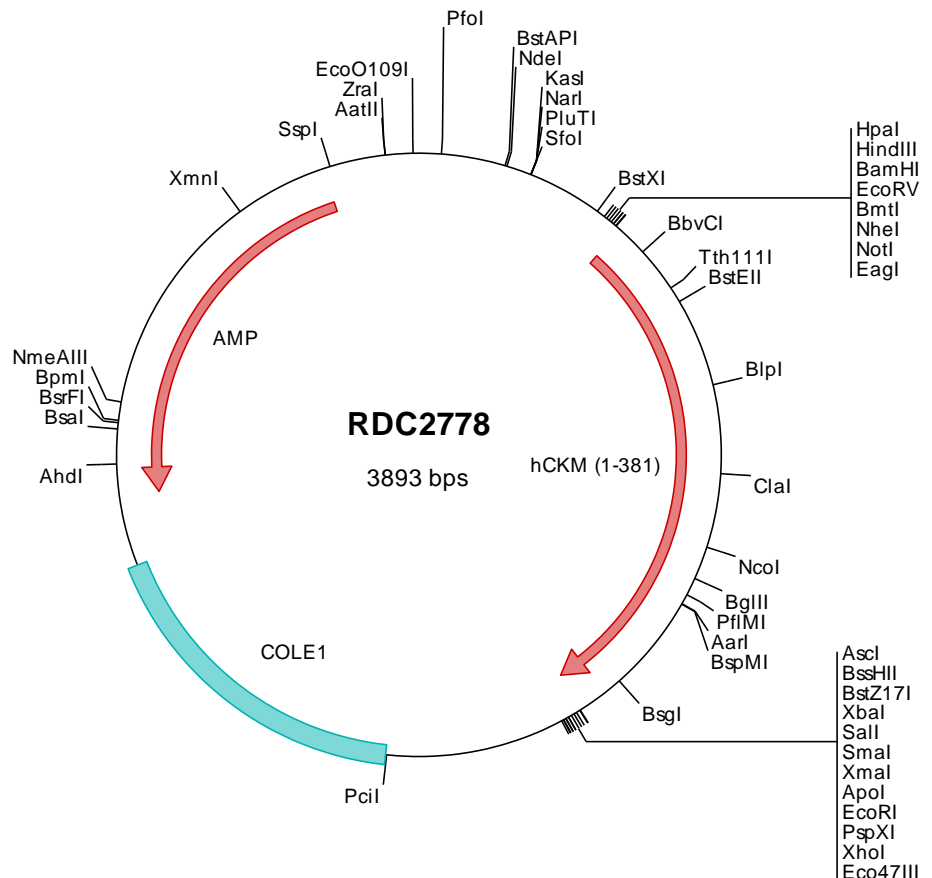
**hCKMM cDNA
Plasmid**

CKM creatine kinase, M-type
[*Homo sapiens* (human)]

Also known as: CKMM; M-CK; CPK-M

Summary:

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



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC2778 Plasmid DNA Sequence

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1 tcgctgctgtt cggatgatgac ggtgaaaacc totgacacat gcagctcccc gagacgggtca cagcttgtct gtaagcggat gccgggagca gacaagcccc
101 tcaggggcgcg tcagcgggtg ttggcgggtg tcggggctgg ctttaactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201 ccgcacacgat gcgtaaggag aaaataccgc atcaggcgcg attgccatt caggctgcgc aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
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3801 catttccccg aaaagtgcc actgacgtct aagaaacctt tattatcatg acattaacct ataaaaatag cgttatcacg aggccctttc gtc

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> RDC2778 Translated Insert Sequence

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1 mpfgnthnkf klnykepeey pdlshknhnm akvltlelyk klrkdetpsg ftvddviqtg vdnpgphfim tvgcvagdee syevfkelfd piisdrhggy
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201 lllasgmard wpdargiwhn dnksflwvnn eedhlrvism ekggnmkev frrfcvlgkqi eeifkkaghp fmwnhlglyv ltcpsnlgtg lrggvhvkla
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