

Recombinant Human CKM Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CKM-783H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CKM MS Standard C13 and N15-labeled recombinant protein (NP_001815) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The protein encoded by this gene is a cytoplasmic enzyme involved in energy homeostasis and is an important serum marker for myocardial infarction. The encoded protein 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. The encoded protein is a member of the ATP:guanido phosphotransferase protein family.
Molecular Mass	43.1 kDa
AA Sequence	MPFGNTHNKFKLNYKPEEEYPDLSKHNNHMAKVLTELEYKKLRDKETPSGFTVDDVI QTGVDNPGHPFIMTVGCVAGDEESYEVFKELFDPIISDRHGGYKPTDKHKTDLNHEN LKGDDLDPNYVLSRVRTGRSIKGYTLPPHCSRGERRAVEKLSVEALNSLTGEFK GKYYPLKSMTEKEQQQLIDDHFLFDKPVSPLLLASGMARDWPDARGIWHNDNKSL VWVNEEDHLRVISMEKGGNMKEVFRFCVGLQKIEEIFKKAGHPFMWNQHLGYVLT CPSNLGTGLRGGVHVKLAHLSKHPKFEEILTRLRLQKRGTGGVDAAVGSVFDVSN

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ADRLGSSEVEVQLVVDGVKLMVEMEKKLEKGGQSIDDMIPAQKTRTRPLEQKLISEE
DLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

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

Official Symbol CKM

Synonyms CKM; creatine kinase, muscle; CKMM; creatine kinase M-type; creatine kinase-M; creatine kinase M chain; M-CK;

Gene ID 1158

mRNA Refseq NM_001824

Protein Refseq NP_001815

MIM 123310

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UniProt ID

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