

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	MPFGNTHNKFKLNYKPEEEYPDLSKHNNHMAKVLTELYKKLRDKETPSGFTVDDVI QTGVDNPGHPFIMTVGCVAGDEESYEVFKELFDPIISDRHGGYKPTDKHKTDLNHEN LKGGDDLDPNYVLSSRVRTGRSIKGYTLPPHCSRGERRAVEKLSVEALNSLTGEFK GKYYPLKSMTEKEQQQLIDDHFLFDKPVSPLLLASGMARDWPDARGIWHNDNKSLL VWVNEEDHLRVISMEKGGNMKEVFRRCVGLQKIEEIFKKAGHPFMWNQHLGYVLT CPSNLGTGLRGGVHVKLAHLSKHPKFEEILTRLRLQKRGTGGVDTAAVGSVFDVSN

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	ADRLGSSEVEQVQLVVDGVKLMVEMEKKLEKGQSIDDMIPAQKTRTRPLEQKLISEE 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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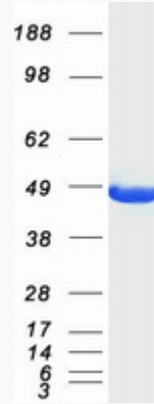
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UniProt ID

P06732

SDS-PAGE



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