

Recombinant Human CKM Protein, His-tagged

Cat. No. CKM-317H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human CKM fused with His tag at C-terminal was expressed in HEK293.
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.
Form	Supplied as a 0.2 μM filtered solution of 20mM TrisHCl, 150mM NaCl, 10%Glycerol, pH7.5
Molecular Mass	44.1kD
Identity	Endotoxin level is <0.1 ng/g of protein (<1EU/g).
AA Sequence	MPFGNTHNKFKLNYKPEEEYPDLSKHNNHMAKVLTLLEYKCLRDKETPSGFTVDDVI QTGVDNPGHPFIMTVGCVAGDEESYEVFKELFDPIISDRHGGYKPTDKHKTDLNHEN LKGDDLDPNYVLSSRVRTGRSIKGYTLPPHCSRGERRAVEKLSVEALNSLTGEFK

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GKYYPLKSMTEKEQQQLIDDHFLFDKPVSPLLLASGMARDWPDARGIWHNDNKSL
 VVVNEEDHLRVISMEKGGNMKEVFRFCVGLQKIEEIFKKAGHPFMWNQHLGYVLT
 CPSNLGTGLRGGVHVKLAHLSKHPKFEEILTRLRLQKRGTGGVDTAAVGVSFVDSN
 ADRLGSSEVEQVQLVVDGVKLMVEMEKKLEKQSIDDMIPAQKVDHHHHHHH*

Purity >95% as determined by SDS-PAGE and Coomassie blue staining

GENE INFORMATION

Gene Name CKM creatine kinase, muscle [Homo sapiens]

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

UniProt ID P06732

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