

Recombinant Full Length Human CKM Protein, GST-tagged

Cat. No. CKM-1865HF Lot. No. (See product label)

SPECIFICATION

Product Overview	Human CKM full-length ORF (AAH07462, 1 a.a. - 381 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	381 amino acids
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. [provided by RefSeq, Jul 2008]
Molecular Mass	67.65 kDa
AA Sequence	MPFGNTHNKFKLNYKPEEEYPDLSKHNNHMAKVLTLLEYKCLRDKETPSGFTVDDVI QTGVDNPGHPFIMTVGCVAGDEESYEVFKELFDPIISDCHGGYKPTDKHKTDLNHEN LKGDDLDPNYVLSRVRTGRSIKGYTLPPHCSRGERRAVEKLSVEALNSLAGEFK GKYYPLKSMTEKEQQQLIDDHFLFDKPVSPLLLASGMARDWPDARGIWHNDNKSL VWVNEEDHLRVISMEKGGNMKEVFRFCVGLQKIEEIFKKAGHPFMWNQHLGYVLT CPSNLGTGLRGGVHVKLAHLSKHPKFEEILTRLRLQKRGTGGVDAAVGSVFDVSN

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ADRLGSSEVEQVQLVVDGVKLMVEMEKKLEKGGQSIDDMIPAQK

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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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