Recombinant Full Length Human CKM Protein, C-Flag-tagged

Cat. No. CKM-1199HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human CKM Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	42.9 kDa
AA Sequence	MPFGNTHNKFKLNYKPEEEYPDLSKHNNHMAKVLTLELYKKLRDKETPSGFTVDDVI QTGVDNPGHPFIM TVGCVAGDEESYEVFKELFDPIISDRHGGYKPTDKHKTDLNHE NLKGGDDLDPNYVLSSRVRTGRSIKGY TLPPHCSRGERRAVEKLSVEALNSLTGEF KGKYYPLKSMTEKEQQQLIDDHFLFDKPVSPLLLASGMARD WPDARGIWHNDNKS LLVWVNEEDHLRVISMEKGGNMKEVFRRFCVGLQKIEEIFKKAGHPFMWNQHLGYV LTCPSNLGTGLRGGVHVKLAHLSKHPKFEEILTRLRLQKRGTGGVDTAAVGSVFDVS

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

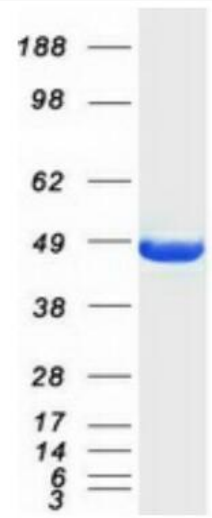
	NADRLGSSEVEQV QLVVDGVKLMVEMEKKLEKGQSIDDMIPAQKTRTRPLEQKLISEEDLAANDILDYKDD DDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome
Protein Pathways	Arginine and proline metabolism, Metabolic pathways
Full Length	Full L.

GENE INFORMATION

Gene Name	CKM creatine kinase, M-type [Homo sapiens (human)]
Official Symbol	CKM
Synonyms	CKMM; M-CK; CPK-M
Gene ID	1158

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mRNA Refseq	NM_001824.5
Protein Refseq	NP_001815.2
MIM	123310
UniProt ID	P06732



Coomassie blue staining of purified CKM protein.

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