

Product datasheet for **TP302721M**

Creatine kinase M type (CKM) (NM_001824) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human creatine kinase, muscle (CKM), 100 µg

Species: Human

Expression Host: HEK293T

Expression cDNA >RC202721 protein sequence

Clone or AA Sequence: **Red**=Cloning site **Green**=Tags(s)

MPFGNTHNKFKNLYKPEEEYPDLSKHNNHMAKVLTLLEYKLRDKETPSGFTVDDVIQTGVDNPGHPFIM
TVGCVAGDEESYEVFKELFDPIISDRHGGYKPTDKHKTDLNHENLKGDDLDPNYVLSRVRTGRSIKGY
TLPPHCSRGERAVEKLSVEALNSLTGEFKGKYYPLKSMTEKEQQQLIDHFLFDKPVSPLLLASGMARD
WPDARGIWHNDNKSLVWVNEEDHLRVISMEKGGNMKEVFRFCVGLQKIEEIFKKAGHPFMWNQHLGY
LTCPSNLGTGLRGGVHVKLAHLSKHPKFEELTRLRLQKRGTTGGVDAAVGSVFDVSNADRLGSSEVEVQ
QLVVDGVKLMVEMEKKLEKQSIDDMIPAQK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 42.9 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

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

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_001815](#)

Locus ID: 1158



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UniProt ID: [P06732](#), [B2R892](#)

RefSeq Size: 1666

Cytogenetics: 19q13.32

RefSeq ORF: 1143

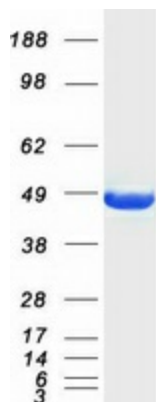
Synonyms: CKMM; CPK-M; M-CK

Summary: 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]

Protein Families: Druggable Genome

Protein Pathways: Arginine and proline metabolism, Metabolic pathways

Product images:



Coomassie blue staining of purified CKM protein (Cat# [TP302721]). The protein was produced from HEK293T cells transfected with CKM cDNA clone (Cat# [RC202721]) using MegaTran 2.0 (Cat# [TT210002]).