

## 32-7931: Recombinant Human Creatine Kinase, Muscle/CKMM (C-6His)

**Gene :** CKM  
**Gene ID :** 1158  
**Uniprot ID :** P06732

### Description

Source: Human Cells.  
MW :44.1kD.

Recombinant Human CKMM is produced by our Mammalian expression system and the target gene encoding Met1-Lys381 is expressed with a 6His tag at the C-terminus. Creatine kinase M-type is also known as Creatine kinase M chain, M-CK. It is a protein that in humans is encoded by the CKM gene. It belongs to the ATP:guanido phosphotransferase family, containing 1 phosphagen kinase C-terminal domain and 1 phosphagen kinase N-terminal domain. Creatine kinase M-type can reversibly catalyzes the transfer of phosphate between ATP and various phosphagens. It plays a central role in energy transduction in tissues with large, fluctuating energy demands, such as skeletal muscle, heart, brain and spermatozoa.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Supplied as a 0.2 µm filtered solution of 20mM TrisHCl, 150mM NaCl, 10% Glycerol, pH7.5.  
**Storage condition :** Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.  
**Amino Acid :** MPFGNTHNKFKNLYKPEEEYPDLKHNHMAKVLTLLEYKKLRDKETPSGFTVDDVIQTGVDNPGHPFIMTVGC  
VAGDEESYEVFKELFDPIISDRHGGYKPTDKHKTDLNHENLKGDDLDPNYVLSSRVRTGRSICKGYTLPPHCSR  
GERRAVEKLSVEALNSLTGEFKGKYPLKSMTEKEQQQLIDHFLFDKPVSPLLASGMARDWPDARGIWHND  
NKSLLVWVNEEDHLRVISMEKGGNMKEVFRFCVGLQKIEEIFKAGHPFMWNQHLGYVLTCPNLGTGLRG  
GVHVKLAHLKHPKFEEILTRLRLQKRGTTGGVDTAAVGSVFDVSNADRLGSSEVEQVQLVVDGVKLMVEMEK  
KLEKGQSIDDMIPAQKVDHHHHHH

### Application Note

**Endotoxin :** Less than 0.1 ng/Åµg (1 IEU/Åµg) as determined by LAL test.