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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 phosphogens. 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 : MPFGNTHNKFKLNYKPEEEYPDLSKHNNHMAKVLTLELYKKLRDKETPSGFTVDDVIQTGVDNPGHPFIMTVGC
VAGDEESYEVFKELFDPIISDRHGGYKPTDKHKTDLNHENLKGGDDLDPNYVLSSRVRTGRSIKGYTLPPHCSR
GERRAVEKLSVEALNSLTGEFKGKYYPLKSMTEKEQQQLIDDHFLFDKPVSPLLLASGMARDWPDARGIWHND
NKSLLVWVNEEDHLRVISMEKGGNMKEVFRRFCVGLQKIEEIFKKAGHPFMWNQHLGYVLTCPSNLGTGLRG
GVHVKLAHLSKHPKFEEILTRLRLQKRGTGGVDTAAVGSVFDVSNADRLGSSEVEQVQLVVDGVKLMVEMEK
KLEKGQSIDDMIPAQKVDHHHHHH

Application Note

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