Creative Enzymes®

Creatine Kinase MM Isoenzyme Type-1 from Human, Recombinant

Cat. No. NATE-0820

Lot. No. (See product label)

Introduction

Description	Creatine Kinase MM 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.
Synonyms	Creatine kinase M-type; EC 2.7.3.2; Creatine kinase M chain; M-CK; CKM; CKMM; CKMMITI; CKMMT1

Product Information

Species	Human
Source	Pichia Pastoris
Appearance	Sterile Filtered colourless liquid formulation.
EC Number	EC 2.7.3.2
Molecular Weight	47kDa
Purity	Greater than 95.0% as determined by (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Activity	537 IU/mg
Buffer	CKMT1 contains 0.01M Tris-HCl, 0.075M NaCl, 10mM beta-mercaptoethanol, 50% glycerol, 0.1% sodium azide, pH 7.2.

Storage and Shipping Information

Stability	CKMT1 although stable at 15°C for 7 days, should be stored below -18°C. Please prevent freeze-thaw cycles.