

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; CKMMIT1; 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.