

Creatine Kinase MM Isoenzyme Type-3 from Human, Recombinant

Cat. No. NATE-0821

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; CKMMITIII; CKMMT3

Product Information

Species Human

Source Pichia Pastoris

Appearance Sterile Filtered colourless liquid formulation.

EC Number EC 2.7.3.2

Purity Greater than 95.0% as determined by (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.

Activity 500 IU/mg

Buffer Each mg of protein contains 20mM Tris pH-8, 1mM EDTA and 1mM DTT.

Storage and Shipping Information

Stability CKMT3 although stable at 15°C for 7 days, should be stored below -18°C. Please prevent freeze-thaw cycles.