

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.