

## 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.