

Native Human Creatine Kinase mix

Cat. No. NATE-0137

Lot. No. (See product label)

Introduction

Description

Creatine kinase plays a key role in the energy metabolism of cells with intermittently high and fluctuating energy requirements. Examples of such cells include cardiac or skeletal muscle cells and neural tissues of brain and retina. The enzyme catalyzes the reversible transfer of the phosphoryl group from phosphorylcreatine to ADP, in order to generate ATP.¹ The molecular mass of the protein is found to be approximately 80 kDa. It is made up of 2 subunits, each having a molecular weight of 40 kDa \pm 2000. The lighter subunit is present in larger amounts.

Applications

Research Life Science ELISA Assay Clinical Chemistry

Synonyms

EC 2.7.3.2; ATP:creatine phosphotransferase; CK; CPK; MM-CK; MB-CK; BB-CK; creatine phosphokinase; creatine phosphotransferase; phosphocreatine kinase; adenosine triphosphate-creatine transphosphorylase; Mi-CK; CK-BB; CK-MM; CK-MB; CKMiMi; MiMi-CK; 9001-15-4

Product Information

Species

Human

Source

Human Cardiac Tissue

EC Number

EC 2.7.3.2

CAS No.

9001-15-4

Activity

>10%

Storage and Shipping Information

Storage

-20°C