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Certificate of Analysis and Data Sheet Human Creatine Kinase MM

Catalog No.
228-10245

Source
Human Cardiac Tissues

Synonyms

Creatine kinase M-type, EC 2.7.3.2, Creatine kinase M chain, M-CK, CKM, CKMM.

Introduction

The three isoenzymes (MM, MB, and BB) are found in muscle, cardiac and brain tissues. These recombinant proteins are ideal for calibrating diagnostic instruments and researching neuromuscular diseases. Creatine Kinases can be used for indications in many neuromuscular applications. These disorders include cardiac disease, mitochondrial disorders, inflammatory myopathies, myasthenia, polymyositis, McArdle's disease, NMJ disorders, muscular dystrophy, ALS, hypo and hyperthyroid disorders, central core disease, acid maltase deficiency, myoglobinuria, rhabdomyolysis, motor neuron diseases, rheumatic diseases, and other that create elevated or reduced levels of Creatine Kinases.

Description

Human CKM produced in Human Cardiac Tissues having a molecular mass of 82 kDa and PI 5.0-7.5. It's the skeletal muscle specific creatine kinase and is elevated in case of strenuous exercise and in degenerative muscle disease.

Physical Appearance

Sterile Filtered clear solution.

Formulation

The CKM protein solution is in 50mM Tris and 2mM DTT, pH 7.5 containing 50% Glycerol.

Purity

Greater than 50.0%.

Stability

CKM although stable at 14°C for 1 week, should be stored at 2°-8°C.

**The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.**