



Product Datasheet

Product Name	Human Creatine Kinase MM
Cata No	CB500094
Source	Human Cardiac Tissues
Synonyms	Creatine kinase M-type, EC 2.7.3.2, Creatine kinase M chain, M-CK, CKM, CKMM.

Description

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.

Human CK-MM 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.

Purity

Greater than 50.0%.

Formulation

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

Stability

Human CKMM although stable at 14⁰C for 1 week, should be stored at 2^o-8^oC.