www.neobiolab.com
info@neobiolab.com
888.754.5670, +1 617.500.7103 United States
0800.088.5164, +44 020.8123.1558 United Kingdom

CKM Human

Catalog #:CKPS-280

For research use only.

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

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

Source: Human Cardiac Tissues

Physical Appearance: Sterile Filtered clear solution.

Purity: Greater than 50.0%.

Formulation:

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

Stability:

CKM althoμgh stable at 14°C for 1 week, should be stored at 2

Usage:

NeoBiolab's products are furnished forLABORATORY RESEARCHUSEONLY. The product may not be used as drμgs, agricultural or pesticidal products, food additives or household chemicals.

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.

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