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32-2981: CKM Native Protein

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

Description

Source : Human Cardiac Tissues 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. 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.

Product Info

Amount :	100,000 U
Purification :	Greater than 50.0%.
Content :	The CKM protein solution is in 50mM Tris and 2mM DTT, pH 7.5 containing 50% Glycerol.
Storage condition :	CKM although stable at 14°C for 1 week, should be stored at 2°-8°C.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.