

32-13703: CKM Human

Format : Human CKM solution contains 500 mM NaCl, 20mM Tris-HCl, 4mM CaCl₂, 4mM MgCl₂ and 60 mM B-mercaptoethanol, pH 7.5.

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

Description

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered colorless liquid formulation.

Biological Activity: null

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.

Recombinant Human Creatine Kinase Muscle produced in E. Coli is a single, non-glycosylated, polypeptide chain, having a molecular weight of ~44kDa. The CKM is purified by proprietary chromatographic techniques.

Product Info

Amount : 200 µg / 50 µg

Purification : Greater than 90.0% as determined by SDS-PAGE.

Storage condition : CKM although stable at 10°C for 7 days, should be stored below -18°C. Please prevent freeze-thaw cycles.