

CKMBITI Human

Description: CKMBITI Human Recombinant produced in Pichia Pastoris is a glycosylated polypeptide chain and a full length Creatine Kinase MB isoenzyme, which is missing the C-terminal Lysine on the M subunit. CKMBITI is a dimeric protein comprised of M and B subunits, having a total Mw of ~44kDa. The CKMBITI is purified by proprietary chromatographic techniques.

Catalog #: CKPS-276

For research use only.

Synonyms: Creatine Kinase MB Isoenzyme Type-I, CKMBITI, CKMBI, CKMB.

Source: Pichia Pastoris.

Physical Appearance: Sterile Filtered colorless liquid formulation.

Purity: Greater than 95.0% as determined by SDS-PAGE.

Formulation:

The protein solution contains 0.02M Potassium Phosphate, 1mM DTT and 50% glycerol, pH 5.0-6.0.

Stability:

CKMBITI although stable at 15°C for 7 days, should be stored below -18°C. Please prevent freeze-thaw cycles.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, 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.

Biological Activity:

1,384 IU/mg at 37°C.

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