
Product Data Sheet

Product Name: CKMBITI Human

Cat. No.: GP22466

Batch No.: 1

Product Data

| | | | |
|---------------------|---|--------------------|-------------------------|
| Purity | >98% | Source | Pichia Pastoris. |
| Physical Appearance | solid | Shipping Condition | Shipped with Ice Packs. |
| Synonyms | Creatine Kinase MB Isoenzyme Type-I; CKMBITI; CKMBI; CKMB. | | |
| Formulation | The 7.9mg/ml protein solution contains 0.02M Potassium Phosphate, 1mM DTT and 50% glycerol, pH 5.0-6.0. | | |

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

486 IU/mg at 37°C .

Stability

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

Background

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,

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having a total Mw of ~44kDa. The CKMBITI is purified by proprietary chromatographic techniques.

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