

## CKMT3 Human

**Description:**CKMT3 Human Recombinant produced in Pichia Pastoris is a glycosylated polypeptide chain having an identical amino acid sequence compared to the native enzyme, purified under non-denaturing conditions and reacts with polyclonal antibodies to MM Isoenzyme in ELISA. The CKMT3 is purified by proprietary chromatographic techniques.

**Catalog #:**CKPS-279

For research use only.

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

**Source:**Pichia Pastoris.

**Physical Appearance:**Sterile Filtered colorless liquid formulation.

**Purity:**Greater than 95.0% as determined by (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.

**Formulation:**

Each mg of protein contains 20mM Tris pH-8, 1mM EDTA and 1mM DTT.

**Stability:**

CKMT3 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:**

The biological activity measured by the enzymatic activity of Creatine phosphokinase procedure No.45-UV, 1IU-1

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