

CKMBITII Human

Description: CKMBITII 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 MB Isoenzyme in ELISA. The CKMBITII is purified by proprietary chromatographic techniques.

Catalog #: CKPS-277

For research use only.

Synonyms: Creatine Kinase MB Isoenzyme Type-II, CKMBITII, CKMBI, CKMB.

Source: Pichia Pastoris.

Physical Appearance: Sterile Filtered colourless 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-HCl, pH-6.8, 1mM EDTA and 1mM DTT, 50% (v/v) glycerol.

Stability:

CKMBITII 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:

CK-MB Type II possesses the naturally occurring carboxy-terminal amino acid lysine. This occurs during a myocardial infarct (MI or heart attack) when CK-MB Type II is released from damaged heart muscle, and the C-terminal lysine is cleaved in the blood stream, thus creating CK-MB Type I. This difference can be exploited in diagnosis of an MI.

Biological Activity:

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

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