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BIN012 CKMB Type 1 - Azide Free

Alternate names: CK-MB, Creatine Kinase MB

Quantity: 1 mg

Concentration: 8.6 mg/ml (Coomassie® Plus).
Activity: 1384 IU/mg @37ºC (Pointe Scientific Creatine Kinase Assay).

Background: Creatine phosphokinase, also known as creatine kinase (CK), is an enzyme expressed by various tissues and cell types. CK catalyses the conversion of creatine and consumes adenosine triphosphate (ATP) to create phosphocreatine and adenosine diphosphate (ADP). In cells, the cytosolic CK enzymes consist of two subunits, which can be either B (brain type) or M (muscle type). There are three different isoenzymes: CKMM, CKBB and CKMB.

Source: Pichia pastoris

Format: **State:** Liquid purified protein
Purity: ›95% pure by SDS-PAGE. Purified under non-denaturing conditions.
Buffer System: 0.02M Potassium phosphate, 1mM DTT, 50% Glycerol, pH 5.0-6.0
Preservatives: None

Applications: **ELISA.**
Western blot.
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Description: Recombinant CK-MB Type 1.
Recombinant Creatine Kinase MB (CK-MB) Type 1.
Recombinant full length Creatine Kinase MB isoenzyme without the C-terminal lysine on the M subunit.
CK-MB is a dimeric protein comprised of M and B subunits. The doublet band migrating approximately 44 kDa is not resolved on most gels. Purified in the enzymatically active form.
Reacts with monoclonal antibodies specific to MB isoenzyme in ELISA.

Storage: Upon receipt, store (in aliquots) at -20°C to -80°C.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.