Tinzyme Co., Limited

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Creatine Kinase, muscle(CKM)

Product Number:RPA008

Storage condition

1. Storage conditions: -20°C for two years (it is recommended to store separately to avoid repeated freezing and thawing affecting protein activity)
2. Transportation conditions: Low temperature ice packs.

Description

Creatine kinase (CK), also known as creatine kinase or phosphocreatine kinase. Creatine kinase is mainly present in skeletal muscle, myocardium, and smooth muscle, followed by brain tissue, with lower levels in the gastrointestinal tract, lungs, and kidneys. Creatine kinase mainly exists in the cytoplasm and mitochondria, and is an important kinase directly related to intracellular energy transport, muscle contraction, and ATP regeneration. Creatine kinase activity assay can be used for the diagnosis of skeletal muscle diseases and myocardial diseases.

Our company provides genetically recombinant creatine kinase (CK), also known as Creatine Kinase, muscle，CKM)， Genes originate from animal muscles, with high activity and good stability.

Specification

1. Dosage form: liquid or freeze-dried powder
2. Storage buffer: 20mM Tris, pH8.0
3. Enzyme activity definition: At 37°C, one unit of enzyme can transfer 1.0 micromolar phosphate from phosphocreatine to ADP per minute (measured at 340 nm, based on the coupling reaction producing 1 equimolar amount of NADH).
4. Source: Recombinant gene expression.
5. Molecular weight: around 43KDa (detected by SDS-PAGE).
6. Purity: ≥ 90% (SDS-PAGE detection).

Note

Not suitable for human experiments.