



Meridian

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Innovative Solutions. Trusted Partner.®

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CERTIFICATE OF ANALYSIS

Catalog #: VT1820 **Lot #** Q1903

Description: Creatine Kinase MM Isoenzyme Type III, Recombinant
Recombinant full length Creatine Kinase MM Isoenzyme III with amino acid sequence identical to the native enzyme. This protein reacts with polyclonal antibodies to M Isoenzyme in ELISA.

Source: *Pichia pastoris*
Product manufactured in the United States using materials processed in U.S. facilities. No material of animal origin.

Format: Purified Liquid **Exp. Date:** N/A

Protein Concentration: 260/280nm Assay:
Acceptable Range: ≥ 10.0 mg/mL
Testing Results: 59 mg /mL

Purity: SDS-PAGE followed by Coomassie staining must demonstrate a major band migrating at ~47 kDa.
Testing Results: Pass

Enzyme Activity: CKMM Enzyme Assay
Acceptable Range: ≥ 500 IU/mg measured at 37°C (IU = 1 micromole creatine phosphate formed per minute)
Testing Results: 786 IU/mg

Buffer: 0.02M Tris-HCl containing 0.001M EDTA and 0.001M DTT, pH 7.5 – 8.5

Preservative: None

Storage: Store at $\leq -65^{\circ}\text{C}$. Avoid multiple freeze/thaw cycles

Safety Notes: Refer to the appropriate Safety Data Sheet (SDS) for additional information

Signature

28 September 2016

Date

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY