



**Meridian**  
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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:  $\geq 10.0$  mg/mL  
Testing Results: 59 mg /mL

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

**Enzyme Activity:** CKMM Enzyme Assay  
Acceptable Range:  $\geq 500$  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**