

## CERTIFICATE OF ANALYSIS

**Catalog #:** VTI810 **Lot #:** M44200022

**Description:** Creatine Kinase MB Isoenzyme Type II, Recombinant  
Recombinant human Creatine Kinase MB (CK-MB) Isoenzyme II. This protein reacts with monoclonal antibodies specific to MB 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:** 30 SEP 2027

**Protein Concentration:** 260/280nm Assay:  
Acceptable Range:  $\geq 10.0$  mg/mL  
Testing Results: 16.8 mg /mL **DOM:** 30 SEP 2022

**Purity:** SDS-PAGE followed by Coomassie staining must demonstrate CK MB protein migrating as major band at ~46 – 47 kDa. Comparable to reference lot.  
Testing Results: Pass

**Enzyme Activity:** Kinetic Assay,  $\Delta$ Abs measured at 340 nm  
Acceptable Range:  $> 700$  U/mg measured at 37°C  
Testing Results: 902 U/mg

**Buffer:** 10 mM Tris-HCl buffer containing 50% (v/v) glycerol, 0.5 mM DTT, 0.5 mM EDTA pH 6.6 – 7.0

**Preservative:** None

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

**Safety Note(s):** Refer to the appropriate Safety Data Sheet (SDS) for additional information  
Since no test method can offer complete assurance that infectious agents are absent, this material should be handled with caution.

Quality Signature:



18 OCT 2022

**FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY**