

## CERTIFICATE OF ANALYSIS

**Important Note:** Centrifuge before opening to ensure complete recovery of vial contents.

**Catalog #:** VTI830 **Lot #:** H2201

**Description:** CK-BB, Recombinant  
Creatine Kinase BB (CK-BB) Isoenzyme Recombinant  
  
Full length Creatine Kinase BB isoenzyme with amino acid sequence identical to the native enzyme. CK-BB is a 47 kDa dimeric protein comprised of 2 identical B subunits. Purified in the enzymatically active form. Reacts with polyclonal antibodies to BB isoenzyme in ELISA.

**Source:** *Pichia pastoris*

**Format:** Purified, Liquid

**Purification:** > 95% pure (SDS-PAGE). Purified under non-denaturing conditions.

**Concentration:** 2.2 mg/mL (Coomassie® Plus)  
Activity: 784 IU/mg  
One unit will transfer one micromole of phosphate from creatine phosphate to ADP per minute at 37°C.  
Measured at 340nm as one equimolar amount of NADH produced by coupled reaction.

**Buffer:** 10 mM Bis-Tris-HCl, 0.5 mM DTT, 0.5 mM EDTA, 50% Glycerol, pH 6.0 ± 0.2.

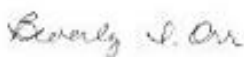
**Preservative:** None

**Applications:** Suitable for use in ELISA. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.

**Storage:** Store at -70°C or below. Aliquot to avoid multiple freeze/thaw cycles.

**Inactivation:** Not Applicable

**Safety Note(s):** Refer to the appropriate Safety Data Sheet (SDS) for additional information.



Quality Signature:

18 March 2022

**FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY**