

Creatine Kinase MB Isoenzyme Type II, Recombinant

Cat. No. VT1810

STORE AT $\leq -65^{\circ}\text{C}$

DESCRIPTION	Recombinant human Creatine Kinase MB (CK-MB) Isoenzyme II.
TYPE	Antigen
SHIPPING & STORAGE INFORMATION	Store at $\leq -65^{\circ}\text{C}$. Avoid multiple freeze/thaw cycles.
SAFETY PRECAUTIONS	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.
NOTES	This reagent has been manufactured under ISO13485 quality management system and is suitable for research or further manufacturing use only. Centrifuge before opening to ensure complete recovery of vial contents.

General Characteristics

SPECIES OF ORIGIN	Human
PRODUCTION SYSTEM	<i>Pichia pastoris</i> (yeast)
MANUFACTURING INFORMATION	Product manufactured in the United States using materials processed in U.S. facilities.
ANIMAL-FREE	Yes
FORMAT	Purified, liquid
IMMUNOREACTIVITY	Reacts with monoclonal antibodies specific to MB isoenzyme in ELISA.
CONCENTRATION	≥ 10.0 mg/mL (A260/A280)
PURITY	Major band by SDS-PAGE (Coomassie staining), comparable to reference lot
MOLECULAR WEIGHT	Approximately 46–47 kDa (SDS-PAGE)
ENZYME ACTIVITY	>700 U/mg at 37°C (kinetic assay; ΔAbs at 340 nm)
BUFFER	10 mM Tris-HCl containing 50% (v/v) glycerol, 0.5 mM DTT, and 0.5 mM EDTA, pH 6.6–7.0
PRESERVATIVES	None

Applications

Suitable for use in ELISA.