

CKM/CKB

Native Human Creatine Kinase, MB Isoenzyme

Catalog No.	CSI14786A CSI14786B	Quantity:	100 U 1 kU
Alternate Names:	CK-MB		
Description:	Human Creatine Kinase (CK) enzyme consists of two subunits, which can be either B (brain type) or M (muscle type). Three different human isoenzymes exist: CKBB, CKMM, and CKMB.		
UniProt ID:	P06732 / P12277		
Gene ID:	1158 / 1152		
Source:	Human Heart		
Molecular Weight:	84 kDa		
Formulation:	Sterile-filtered 10 mM Tris-succinate, 175 mM NaCl, 2 mM DTT, 2 mM EDTA, pH 7.0 with 50% glycerol (v/v)		
Activity:	≥ 1,000 U /ml (Dimension® Clinical Chemistry System), lot specific. One unit will catalyze the transphosphorylation of one micromole of phosphate from creatine phosphate to ADP per minute at 37°C.		
Protein:	≥ 10 mg/ml (Coomassie)		
Specific Activity:	> 30 U/mg, lot specific		
Isoenzyme Content:	CK-MB: ≥ 99% (Helena QuickGel®CK) CK-MM: ≤ 1.0% CK-BB: ≤ 1.0%		
Contaminants:	GOT/AST: ≤ 1.0% (Dimension® Clinical Chemistry System) LDH: ≤ 1.0%		
Storage & Stability:	Store at -20°C to -80°C for up to 1 year. Recommended to prepare working aliquots.		
Infectious Disease Statement:	Negative or non-reactive at the donor level for anti-HIV 1 and 2, anti-HCV, HBsAg, HIV-1 (NAT), HBV (NAT), HCV (NAT), and syphilis by FDA approved methods.		
Country of Origin:	USA		

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