

CKM

Native Human Creatine Kinase MM Isoenzyme

Catalog No.	CSI20312A CSI20312B	Quantity:	100 U 1 KU
Alternate Names:	CKMM, M-CK, CKM		
Description:	Lyophilized Human Creatine Kinase MM Isoenzyme Human Creatine Kinase (CK) enzyme consists of two subunits, which can be either B (brain type) or M (muscle type). Three different isoenzymes: CK MM, CK BB, and CK MB exist. Human CK isoenzymes are formed when the total human CK level is elevated. Human CK MM isoenzyme is normally responsible for almost all human CK enzyme activity in healthy people. When human CK MM isoenzyme is elevated, this usually indicates injury or stress to skeletal muscle. Human CK Isoenzyme testing can help differentiate the source of the damaged tissue.		
Concentration:	> 0.5 mg protein/mg (Coomassie)		
Gene ID:	1158		
Source:	Human Heart		
Formulation:	Lyophilized with 40 mM Tris-Cl Buffer + 1 mM EDTA + 10 mM NaCl		
Purity:	100% CKMM, no CKMB, or CKBB detected.		
Biological Activity:	> 200 U/mg (Dimension® Clinical Chemistry System) One unit will transfer one mmole of phosphate from Creatine Phosphate to ATP per minute at 37°C. Measured at 340 nm as one equimolar amount of NADH produced by a coupled reaction.		
Specific Activity:	> 400 U/mg protein		
Storage & Stability:	Store at -20°C. Stable for 2 year. Avoid repeated freeze-thaw cycles.		

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