

CKM/CKB

Native Human Creatine Kinase, MB Isoenzyme

Catalog No.	CSI19641A CSI19641B	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:	Lyophilized from sterile-filtered 10 mM Tris-succinate, 2 mM DTT, 2 mM EDTA, pH 7.5		
Activity:	≥ 25 U /mg solid (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:	≥ 0.25 mg protein/mg solid (Coomassie)		
Specific Activity:	> 20 U/mg protein, 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% Ammonia: ≤ 0.1 micromole/mg solid		
Reconstitution:	Use sterile-filtered Tris buffered saline with 1% BSA, 1 mM DTT and 1 mM EDTA to a concentration of 0.1-1.0 mg/ml		
Storage & Stability:	Store as supplied, or in working aliquots at -20°C to -80°C for up to 1 year.		
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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Cell Sciences®
65 Parker Street
Unit 11
Newburyport, MA 01950

Toll Free: 888-769-1246
Phone: 978-572-1070
Fax: 978-992-0298

E-mail: info@cellsciences.com
Website: www.cellsciences.com