

Native Human Creatine Kinase MM (CK-MM)

Cat. No. CKMM-382H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native Human Creatine Kinase MM (CK-MM) was purified from Human Heart.
Species	Human
Source	Human Heart
Description	Human Creatine phosphokinase (CK)CPK isoenzymes are performed when the total human CPK level is elevated. Human CK(CPK)Isoenzyme testing can help differentiate the source of the damaged tissue. Human (CPK)CK enzyme consists of two subunits, which can be either B (brain type) or M (muscle type). Three different isoenzymes: Human (CKMM)CK-MM, Human (CKBB)CK-BB isoenzyme and Human (CKMB)CK-MB isoenzyme exist.
Form	Lyophilized from 40 mM Tris-Cl, 1 mM EDTA, 10 mM NaCl
Purity	>96% (SDS-PAGE)
Unit Definition	One unit will transfer one mmole of phosphate from Creatine Phosphate to ATP per minute at 37C. Measured at 340 nm as one equimolar amount of NADH produced by a coupled reaction.
Storage	Store at -20 °C
Concentration	Typically >0.25 mg/mL

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GENE INFORMATION

Gene Name	CKM creatine kinase, muscle [Homo sapiens]
Official Symbol	CKM
Synonyms	CKM; creatine kinase, muscle; CKMM; creatine kinase M-type; creatine kinase-M; creatine kinase M chain; M-CK;
Gene ID	1158
mRNA Refseq	NM_001824
Protein Refseq	NP_001815
MIM	123310
UniProt ID	P06732
Chromosome Location	19q13.32
Pathway	Arginine and proline metabolism, organism-specific biosystem; Arginine and proline metabolism, conserved biosystem; Creatine metabolism, organism-specific biosystem; Creatine pathway, organism-specific biosystem; Creatine pathway, conserved biosystem; Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific biosystem;
Function	ATP binding; creatine kinase activity; nucleotide binding;

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