

Native Human creatine kinase, muscle

Cat. No. CKM-5305H Lot. No. (See product label)

SPECIFICATION

Product Overview	Native human CKM was expressed in Human Heart.
Species	Human
Source	Human Heart
Description	Human CKM is normally responsible for almost all human Creatine Kinase (CK) activity in healthy people. When human CKM is elevated, this usually indicates injury or stress to skeletal muscle.
Form	2mM DTT at pH 7.5, 50mM Tris, 50% Glycerol.
Purity	100% CKMM by CK Electrophoresis
Specific Activity	Typically >1000 U/mL @ 37°C
Concentration	Typically >5 mg protein/mL
Storage	Store at 2-4°C 1 year.
Pathways	Arginine and proline metabolism; Creatine metabolism; Creatine pathway; Metabolic pathways; Metabolism of amino acids and derivatives; Regulation of retinoblastoma protein; Urea cycle and metabolism of amino groups; creatine-phosphate biosynthesis

GENE INFORMATION

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Gene Name	CKM creatine kinase, muscle [Homosapiens]
Official Symbol	CKM
Synonyms	CKM; creatine kinase, muscle; CKMM; M-CK; creatinekinase M-type; creatine kinase-M; creatine kinase M chain; Creatine kinase M-type; Creatine kinase M chain; EC 2.7.3.2
Gene ID	1158
mRNA Refseq	NM_001824
Protein Refseq	NP_001815
MIM	123310
UniProt ID	P06732
Chromosome Location	19q13.2-q13.3
Function	ATPbinding; creatine kinase activity; nucleotide binding

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