

Recombinant Human CKMM (C-6His)

Catalog No: CC96

Description	Recombinant Human Creatine Kinase, Muscle is produced by our Mammalian expression system and the target gene encoding Met1-Lys381 is expressed with a 6His tag at the C-terminus.
Expression System	Human Cells
Alternative name	Creatine kinase M-type; Creatine kinase M chain; M-CK; CKM; CKMM
Accession No.	AAP35439.1
Predicted Molecular Weight	44.1kDa
Apparent Molecular Weight	46kDa, reducing conditions
Quality Control	Purity: greater than 95% as determined by reducing SDS-PAGE. Endotoxin: less than 0.1 ng/μg (1 EU/μg) as determined by LAL test.
Formulation	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 150mM NaCl, 10% Glycerol, pH 7.5.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below
Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles
Background	Creatine kinase M-type is also known as Creatine kinase M chain, M-CK. It is a protein that in humans is encoded by the CKM gene. It belongs to the ATP:guanido phosphotransferase family, containing 1 phosphagen kinase C-terminal domain and 1 phosphagen kinase N-terminal domain. Creatine kinase Mtype can reversibly catalyzes the transfer of phosphate between ATP and various phosphagens. It plays a central role in energy transduction in tissues with large, fluctuating energy demands, such as skeletal muscle, heart, brain and spermatozoa.

SDS-PAGE

