

Creatine kinase M-type Protein, Human (His)

Cat. No.:	HY-P75340
Synonyms:	CKM; CKMM; CKMMcreatine kinase M-type; M-CK
Species:	Human
Source:	E. coli
Accession:	AAH07462.1 (M1-K381)
Gene ID:	1158
Molecular Weight:	Approximately 45 kDa

PROPERTIES

AA Sequence	<pre> M P F G N T H N K F K L N Y K P E E E Y P D L S K H N N H M A K V L T L E L Y K K L R D K E T P S G F T V D D V I Q T G V D N P G H P F I M T V G C V A G D E E S Y E V F K E L F D P I I S D R H G G Y K P T D K H K T D L N H E N L K G G D D L D P N Y V L S S R V R T G R S I K G Y T L P P H C S R G E R R A V E K L S V E A L N S L T G E F K G K Y Y P L K S M T E K E Q Q Q L I D D H F L F D K P V S P L L L A S G M A R D W P D A R G I W H N D N K S L L V W V N E E D H L R V I S M E K G G N M K E V F R R F C V G L Q K I E E I F K K A G H P F M W N Q H L G Y V L T C P S N L G T G L R G G V H V K L A H L S K H P K F E E I L T R L R L Q K R G T G G V D T A A V G S V F D V S N A D R L G S S E V E Q V Q L V V D G V K L M V E M E K K L E K G Q S I D D M I P A Q K </pre>
Biological Activity	Measured by its ability to phosphorylate creatine. The specific activity is 3604.044 pmol/min/μg, as measured under the described conditions.
Appearance	Lyophilized powder
Formulation	Lyophilized from a 0.22 μm filtered solution of 100 mM HEPES, pH 7.0 or 50 mM HEPES, 300 mM NaCl, pH 7.5.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

Caution: Product has not been fully validated for medical applications. For research use only.

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