

Recombinant Human Creatine Kinase MM/CKMM Protein

Catalog No.: RP02817LQ **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	1158	P06732

Tags

C-His

Synonyms

Creatine kinase M-type; Creatine kinase M chain; M-CK; CKM; CKMM

Product Information

Source	Purification
HEK293 cells	> 95% as determined by reducing SDS-PAGE.

Calculated MW	Observed MW
44.1 kDa	46 kDa

Endotoxin

<1EU/μg

Formulation

Supplied as a 0.22 μm filtered solution in 20mM Tris-HCl, 150mM NaCl, 10% Glycerol, pH 7.5.

Reconstitution

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 M-type can reversibly catalyze 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.

Basic Information

Description

Recombinant Human Creatine Kinase MM/CKMM Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Met1-Lys381) of human Creatine Kinase MM/CKMM (Accession #AAP35439.1) fused with a 6xHis tag at the C-terminus.

Bio-Activity

Storage

Store at -70°C. This product is stable at ≤ -70°C for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature. Avoid repeated freeze-thaw cycles. Avoid repeated freeze/thaw cycles.

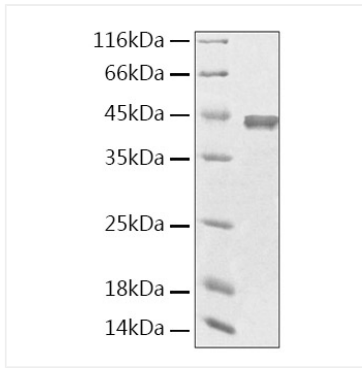
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Validation Data



Recombinant Human Creatine Kinase MM/CKMM Protein was determined by SDS-PAGE with Coomassie Blue, showing bands at 45 KDa.