Recombinant Human Creatine Kinase MM/CKMM Protein

Catalog No.: RP02817LQ Recombinant

Swiss Prot

P06732

Sequence Information

Species	Gene ID
Human	1158

Tags

C-His

Synonyms

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

Product Information

Source HEK293 cells	Purification ≥ 95 % as determined by SDS- PAGE.
Calculated MW	Observed MW

Calculated MW	Observed	M٧
44.1 kDa	46 kDa	

Endotoxin

< 1 EU/ μ g of the protein by LAL method.

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 catalyzes the transfer of phosphate between ATP and various phosphogens. 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 6×His tag at the C-terminus.

Bio-Activity

Storage

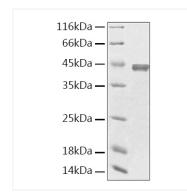
Store at -70°C. This product is stable at \leq -70°C for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature. Avoid repeated freeze-thaw cycles. Avoid repeated freeze/thaw cycles.

Contact

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Validation Data



Recombinant Human Creatine Kinase MM/CKMM Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.