Recombinant Human Creatine Kinase MM/CKMM Protein

Catalog No.: RP02817LQ

Sequence Information

Species
Human

Gene ID
1158

Swiss Prot
P06732

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
44.1 kDa

Observed MW
46 kDa

Endotoxin
< 1 EU/μg 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.

Activity

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -70℃

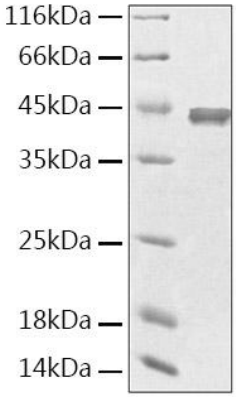
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

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For research use only. Not for therapeutic or diagnostic purposes.
Please visit http://abclonal.com for a complete listing of recommended products.

Validation Data



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