# Human CKM / CK-MM (His Tag) recombinant protein

Catalog Number: 501542



## **General Information**

# **Gene Name Synonym**

Creatine kinase M chain; M-CK; Creatine kinase M-type, N-terminally processed

## **Protein Construction**

A DNA sequence encoding the human CKM (AAH07462.1) (Met1-Lys381) was expressed with a polyhistide tag at the N-terminus.

# Organism

Human

# **Expression Host**

E. coli

# **QC Testing**

#### Activity

Kinase activity untested

# **Purity**

> 90 % as determined by SDS-PAGE

#### **Endotoxin**

Please contact us for more information.

# **Stability**

Samples are stable for up to twelve months from date of receipt at  $-70^{\circ}$ C

#### Predicted N terminal

His

#### Molecular Mass

The recombinant human CKM consists of 396 amino acids and predicts a molecular mass of 44.9 KDa. It migrates as an approximately 45 KDa band in SDS-PAGE under reducing conditions.

#### **Formulation**

Lyophilized from sterile 100mM HEPES, pH 7.0.

- 1. 5 % trehalose and mannitol are added as protectants before lyophilization.
- 2. Please contact us for any concerns or special requirements.

# **Usage Guide**

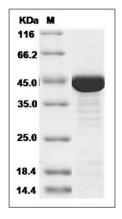
## **Storage**

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

# Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

# **SDS-PAGE**



Human CKM / CK-MM Protein (His Tag) SDS-PAGE