

# Human Recombinant CKMM

10/20

<b>CATALOG NO:</b>	P1610-10    10 µg P1610-50    50 µg
<b>ALTERNATE NAMES:</b>	M-CK, Creatine kinase M chain, CKM; Creatine phosphokinase M-type; CPK-M
<b>MOL. WT.</b>	The recombinant human CKMM consists of 396 amino acids and has a molecular mass of 44.9 KDa. It migrates as a ~45 KDa band in SDS-PAGE under reducing conditions.
<b>ACCESSION NO:</b>	AAH07462.1
<b>PURITY:</b>	≥ 90% as determined by SDS-PAGE
<b>SOURCE:</b>	<i>E. coli</i>
<b>TAG:</b>	His Tag
<b>FORM:</b>	Liquid
<b>FORMULATION:</b>	In sterile 100 mM HEPES, pH 7.0.
<b>AMINO ACID SEQUENCE:</b>	A DNA sequence encoding the human CKM (AAH07462.1) (Met1-Lys381) was expressed with a polyhistidine tag at the N-terminus.
<b>STORAGE CONDITIONS:</b>	Divide into small aliquots and store at -20 °C or -80 °C. Avoid repeated freeze-thaw cycles.
<b>DESCRIPTION:</b>	CK-MM is an isozyme of creatine kinase (CK). Cytosolic CK enzymes consist of two subunits, which can be either B (brain type) or M (muscle type). CK-MM is mainly expressed in skeletal muscle and can also be detected in heart muscle. It catalyses the conversion of creatine and consumes adenosine triphosphate (ATP) to create phosphocreatine and adenosine diphosphate (ADP). Creatine kinase is measured as a marker of myocardial infarction (heart attack), rhabdomyolysis (severe muscle breakdown), muscular dystrophy, etc.

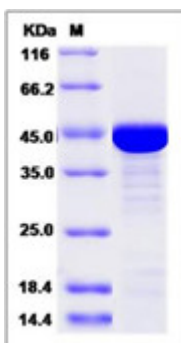


Fig.A SDS-PAGE of Human CKMM

## RELATED PRODUCTS:

Creatine Kinase MT, Human Recombinant (Cat. No. P1578)  
 D-Dimer, Human Plasma (Cat. No. P1434)  
 Creatine Kinase (CK/CPK), Rabbit Muscle (Cat. No. P1301)  
 Human Recombinant LDHA (Cat. No. 6374)  
 Creatine Colorimetric/Fluorometric Assay Kit (Cat. No. K635)  
 Creatine Kinase (CK) Activity Colorimetric Assay Kit (Cat. No. K777)

**FOR RESEARCH USE ONLY! Not to be used on humans.**