

Recombinant Human CKM

Cat. No. CKM-26250TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human Recombinant Full Length Creatine Kinase MB produced in Pichia Pastoris.
Species	Human
Description	The protein encoded by this gene is a cytoplasmic enzyme involved in energy homeostasis and is an important serum marker for myocardial infarction. The encoded protein reversibly catalyzes the transfer of phosphate between ATP and various phosphogens such as creatine phosphate. It acts as a homodimer in striated muscle as well as in other tissues, and as a heterodimer with a similar brain isozyme in heart. The encoded protein is a member of the ATP:guanido phosphotransferase protein family.
Form	Liquid
Purity	>95% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 20mM Sodium phosphate, pH 8
Storage	Aliquot and store at -80°C (add 1% BSA for extra stability). Avoid repeated freeze / thaw cycles.
Full Length	Full L.

GENE INFORMATION

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Gene Name	CKM creatine kinase, muscle [Homo sapiens]
Official Symbol	CKM
Synonyms	CKM; creatine kinase, muscle; CKMM; creatine kinase M-type;
Gene ID	1158
mRNA Refseq	NM_001824
Protein Refseq	NP_001815
MIM	123310
Uniprot ID	P06732
Chromosome Location	19q13.32
Pathway	Arginine and proline metabolism, organism-specific biosystem; Arginine and proline metabolism, conserved biosystem; Creatine metabolism, organism-specific biosystem; Creatine pathway, organism-specific biosystem; Creatine pathway, conserved biosystem;
Function	ATP binding; creatine kinase activity; nucleotide binding;

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