

Creatine Kinase, Mitochondrial 2 Human Recombinant

Item Number	rAP-0906
Synonyms	Creatine kinase mitochondrial 2 (sarcomeric), Basic-type mitochondrial creatine kinase, Sarcomeric mitochondrial creatine kinase, creatine kinase S-type, mitochondrial, SMTCK, Mib-CK, EC 2.7.3.2.
Description	CKMT2 Human Recombinant produced in E. coli is a single polypeptide chain containing 405 amino acids (40-419) and having a molecular mass of 46.1 kDa. CKMT2 is fused to a 25 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accession Number	P17540
Amino Acid Sequence	MGSSHHHHH SSGLVPRGSH MGSHMEVREQ PRLFPPSADY PDLRKHNNCM AECLTPAIYA KLRN-KVTPNG YTLDDQCIQTG VDNPGHPFIK TVGMOVAGDEE SYEVFADLFD PVIKLRHNGY DPRVMKHTTD LDASKITQQG FDEHYVLSSR VRTGRSIRGL SLPPACTRAE RREVENVAIT ALEGLKGDLA GRYYKL-SEMT EQDQQLIDD HFLFDKPVSP LLTCAGMARD WPDARGIWHN YDKTFLIWIN EEDHTRVISM EKGGNMKRVF ERFCRGLKEV ERLIQERGWE FMWNERLGYI LTCPSNLGTG LRAGVHVRIIP
Source	E.coli.
Physical Appearance and Stability	Sterile Filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Formulation and Purity	The CKMT2 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.1M NaCl, 1mM DTT and 10% glycerol. Greater than 90% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**