

Creatine kinase U-type Recombinant Protein | CKMT1B recombinant protein

Recombinant Human Creatine kinase U-type, mitochondrial

CATALOG # AAA113924	HOST E Coli
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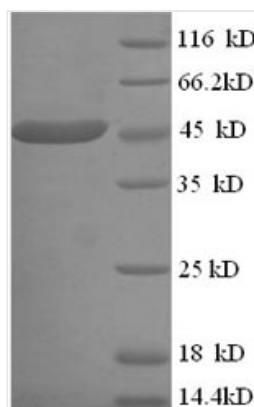
PRODUCT SYNONYMS

Creatine kinase U-type; Recombinant Human Creatine kinase U-type; mitochondrial; Acidic-type mitochondrial creatine kinase; Mia-CK; Ubiquitous mitochondrial creatine kinase; U-MtCK; CKMT1B recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Liquid containing glycerol
Sequence Positions	40-417aa; Full Length
Sequence	ASERRRLYPP SAEYPDLRKH NNCMASHLTP AVYARLCDKT TPTGWTLDCQ IQTGVDNPGH PFIKTVGMVA GDEETYEYVFA DLFDPIQER HNGYDPRTMK HTTDLDAKI RSGYFDERYV LSSRVRTGRS IRGLSLPPAC TRAERREVER VVVDALSLGK GDLAGRYRL SEMTEAEQQQ LIDDHFLFDK PVSPLLTAAG MARDWPDARG IWHNNEKSFL IWNNEEDHTR VISMEKGGNM KRVFERFCRG LKEVERLIQE RGWEFMWNER LGYILTCPSN LGTGLRAGVH IKLPLLSKDS RFPKILENLR LQKRGTTGGVD TAATGGVFDI SNLDRLGKSE VELVQLVIDG VNYLDCERR LERGQDIRIP TPVIHTKH
Sequence Length	417
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for CKMT1B recombinant protein	Reversibly catalyzes the transfer of phosphate between ATP and various phosphogens (e. g. creatine phosphate). Creatine kinase isoenzymes play a central role in energy transduction in tissues with large, fluctuating energy demands, such as skeletal muscle, heart, brain and spermatozoa.
Product Categories/Family for CKMT1B recombinant protein	Signal Transduction

References	Isolation and characterization of the gene and cDNA encoding human mitochondrial creatine kinase.Haas R.C., Korenfeld C., Zhang Z., Perryman B., Roman D., Strauss A.W.J. Biol. Chem. 264:2890-2897(1989)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	66346730
NCBI GeneID	548596
NCBI Accession #	NP_001015001.1
NCBI GenBank Nucleotide #	NM_001015001.1
UniProt Accession #	P12532; Q0VAM3; Q32NF6; Q53FC4; B4DIT8; B7ZA09
Molecular Weight	47.1 kDa
NCBI Official Full Name	creatine kinase U-type, mitochondrial
NCBI Official Synonym Full Names	creatine kinase, mitochondrial 1A
NCBI Official Symbol	CKMT1A
NCBI Official Synonym Symbols	CKMT1
NCBI Protein Information	creatine kinase U-type, mitochondrial
UniProt Protein Name	Creatine kinase U-type, mitochondrial
UniProt Gene Name	CKMT1A
UniProt Synonym Gene Names	CKMT; Mia-CK; U-MtCK
UniProt Entry Name	KCRU_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.