

Recombinant Mouse Ckmt2 Protein, Myc/DDK-tagged

Cat. No. Ckmt2-2173M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length creatine kinase, mitochondrial 2 (Ckmt2), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	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.
Molecular Mass	47.5 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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GENE INFORMATION

Gene Name	Ckmt2 creatine kinase, mitochondrial 2 [Mus musculus (house mouse)]
Official Symbol	Ckmt2
Synonyms	CKMT2; creatine kinase, mitochondrial 2; creatine kinase S-type, mitochondrial; S-MtCK; mib-CK; basic-type mitochondrial creatine kinase; sarcomeric mitochondrial creatine kinase; ScCKmit; 2300008A19Rik
Gene ID	76722
mRNA Refseq	NM_198415
Protein Refseq	NP_940807
UniProt ID	Q6P8J7

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