

Product datasheet for **TP506627**

Ckmt1 (NM_009897) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse creatine kinase, mitochondrial 1, ubiquitous (Ckmt1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR206627 protein sequence Red =Cloning site Green =Tags(s)
	<p>MAGPFSRLLSARPGRLRLLAGAGSLTAGILLRPESVGAAAAERRRLYPPSAEYPDLRKHNNCMASHLTP AVYARLCDKTTPTGWLDQCIQTGVDNPGHPIKTVGMVAGDEEYEVFAELFDPVIQERHNGYDPRMTK HTTDL DASKIRSGYFDERYVLSRVRTGRSIRGLSLPPACTRAERREVERVVVDALSGLKGDLAGRYRL SEMTEAEQQQLIDDHFLDKPVSPLLTAAGMARDWPDARGIWHNNEKSFLIWVNEEDHTRVISMEEKGNM KRVFERFCRGLKEVEKLIQERGWEFMWNRLGYILT CPSNLGTGLRAGVHIKLP LLSKDNRFKILENLR LQKRGTGGVDTAATGSVFDISNLDRLGKSEVELVQLVIDGVNYLIDCERRLERGGDIRIPPLVHSHK</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-MYC/DDK
Predicted MW:	47 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_034027
Locus ID:	12716
UniProt ID:	P30275 , Q545N7



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RefSeq Size:	1589
Cytogenetics:	2 60.37 cM
RefSeq ORF:	1257
Synonyms:	mi-CK; Mt-CK; ScCKmit; UbCKmit
Summary:	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.[UniProtKB/Swiss-Prot Function]