

Product datasheet for **TP508139**

Camkk1 (NM_018883) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse calcium/calmodulin-dependent protein kinase kinase 1, alpha (Camkk1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR208139 protein sequence Red =Cloning site Green =Tags(s)

MESGPAVCCQDPRAELVDRVAAINVAHLEEADGPEPARNGVDPPPRARAASVIPGSASRPTVVRPSLSA
RKFSLQERPAGSCLGAQVGPYSTGPASHISPRSWRRPTIESHRVAISDTEDCVQLNQYKLQSEIGKGAYG
VRLAYNESEDRHYAMKVLSKKKLLKQYGFPRRPPRGSQATQGGPAKQLLPLERVYQEIAILKKLDHVN
VVKLIEVLDDPAEDNLYLVFDLLRKGPMVEVPCDKPFPEEQARLYLRDIILGLEYLHCQKIVHRDIKPSN
LLLGGDDGHVKIADFGVSNQFEGNDAQLSSTAGTPAFMAPEAISDSGQSFSGKALDWWATGVTLYCFVYGK
CPFIDYILT LHRKIKNEAVVFPEEPEVSEDLKDLIRMLDKNPETRIGVSDIKLHPWVTKHGEEPLPSE
EEHCSVVEVTEEEVKNSVRLIPSWTTVILVKSMLRKRSGFNGPFEPQARREERSMSAPGSLMKEGCGEGC
KSPELPGVQEDEAAS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	55.8 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_061371



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Locus ID:	55984
UniProt ID:	Q8VBY2
RefSeq Size:	3466
Cytogenetics:	11 B4
RefSeq ORF:	1518
Synonyms:	AI846603; Camkk; CaMKKalpha
Summary:	Calcium/calmodulin-dependent protein kinase that belongs to a proposed calcium-triggered signaling cascade involved in a number of cellular processes. Phosphorylates CAMK1, CAMK1D, CAMK1G and CAMK4. Involved in regulating cell apoptosis. Promotes cell survival by phosphorylating AKT1/PKB that inhibits pro-apoptotic BAD/Bcl2-antagonist of cell death. [UniProtKB/Swiss-Prot Function]