

Product datasheet for TP518811

Dguok (NM_013764) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse deoxyguanosine kinase (Dguok), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR218811 representing NM_013764 Red=Cloning site Green=Tags(s)
	MAAGRFLRRRLRASFRSPLRNALVDAPHARAMHDGGGPRRLCIEGNIAVGKSTFVKLLMKTHPEWQVATE PIAEWQNIQAAGA QKDGTSKRLGNLLEMMYQEPARWSYTFQTLFSMSRLKVQLEPIGRLLQAEKSVRVF ERSVYSDRYIFAKNLFENGSLSDIEWHIYQDWHSFLLQEFANRLLLHGFIYLQASPQVCMERLYQRDREE EKGIELAYLQQLHSQHEDWFINKTKLHFEALQHVPVLVLDVTEDFSENAARQEELMGQVNTFMRNL
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	32.3 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_038792
Locus ID:	27369
UniProt ID:	Q9QX60
RefSeq Size:	1110



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Cytogenetics: 6 35.94 cM

RefSeq ORF: 834

Synonyms: dGK; dGK1; dGK2; dGK3

Summary: Phosphorylates deoxyguanosine and deoxyadenosine in the mitochondrial matrix, with the highest efficiency for deoxyguanosine. In non-replicating cells, where cytosolic dNTP synthesis is down-regulated, mtDNA synthesis depends solely on DGUOK and TK2. Phosphorylates certain nucleoside analogs. Widely used as target of antiviral and chemotherapeutic agents. [UniProtKB/Swiss-Prot Function]