

Product datasheet for TP515309

Dgkd (NM_177646) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse diacylglycerol kinase, delta (Dgkd), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR215309 representing NM_177646 Red=Cloning site Green=Tags(s)

MAAAAGAPPPGPPQPPPPPPPEESSDSEPEAEPGSPQKLIRKVSTSGQIRQKILKEGMLTKQNNFQRS
KRRYFKLRGRTLYYAKTAKSIIFDEVLDLTDASVAESSTKNVNSFTVITPCRKLILCADNRKEMEDWIAA
LKTQVQNEHFEPTQYSMDHFGSMHNWYACSHARPTYCNVCREVLGVTSHGLSCEVCKFKAHKRAVRAT
SNCKWTTLASIGKDIIEDDGIAMPHQWLEGNLPSAKCIVCDKTCGSQLRLQDWRCWCKAMVHTSCKE
SLVMKCPGLGCKVSVIPPTALNSIDSDGFWKATCPPSCTSPLLVFNKSGDNQGVKFLRRFKQLLNPAQ
VFDLMNGGPHLGLRFLQKFDTRILVCGGDGSGVWVLEIDSLNLHKQCQLGVLPLGTGNDLARVLGWGS
ACDDDTQLPQILAKLERASTKMLDRWSVMAYETKLPRQASSSTVTEDFSEDSEVQQILFYEDSVAHLSK
ILTSDQHSVVISSAKVLCETVKDFVARVKGAYEKTESSQSEVMKCSVLKEKLDLTKLDDDESQAS
SSLSNPPPTIAEEAEDGDGSGNICSSSTGDHLVGSACPSRPQIFRPREQLMLRANSLKKAIRQIIIEHTEKA
VDEQNAQTQEQQGFVLGLSESEKDLKTDNRVCTSSVHSESCVIAKGRSQRKASRAPCEKLVSKGLSLGS
SASLPPGTGSRDLPALNTKILYPSVRAGMSGSLPGGVSIRLLINADPFNAEPENLEYTEKVMNNYF
GIGLDAKISLDFNNKRDEHPEKCRSRTKNMMWYGVLTGKELLHRTYRNLEQKVLLCEDGRPIPLSLQGI
AVLNIPSYAGGTNFWGGTKEDDTFAAPSFDDKILEVVAVFGSMQMAVSRVIKQHHRIAQCRTVKISILG
DEGVPVQVDGEAWIQPPGYIRIVHKNRAQTLTRDRAFENTLKSWEKQKCELSRPPSFLHPEILSEEEA
TQMDQFGQAAGGLIHSIREIAQSHRAMEQELAHAVNASSKAMERVYGPRTAEGLNCSFVLEMVNNIRAL
RSETELLLAGKMALQLDPPQKERLGAALIEMDQQLRKLTDTPWLCQPLEPGEEESLQQNVMLDLTKRSRS
GKFRLVTKFKKEKNNKNKEVHSNLGGPVHLWGTEEVAAWLEHLSLCEYKDIFTRHDIRGSELLHLERRDL
KDLGVTKVGHMKRILCGIKELSRSSPAAEA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	135.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method



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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_808314
Locus ID:	227333
UniProt ID:	E9PUQ8
RefSeq Size:	5694
Cytogenetics:	1 D
RefSeq ORF:	3660
Synonyms:	A1841987; D330025K09; dgkd-2; DGKdelta
Summary:	Diaclycerol kinase that converts diacylglycerol/DAG into phosphatidic acid/phosphatidate/PA and regulates the respective levels of these two bioactive lipids (PubMed:17021016). Thereby, acts as a central switch between the signaling pathways activated by these second messengers with different cellular targets and opposite effects in numerous biological processes (PubMed:17021016). By controlling the levels of diacylglycerol, regulates for instance the PKC and EGF receptor signaling pathways and plays a crucial role during development (PubMed:17021016). May also regulate clathrin-dependent endocytosis (By similarity).[UniProtKB/Swiss-Prot Function]