

Product datasheet for TP522176

Dgkh (NM_001081336) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse diacylglycerol kinase, eta (Dgkh), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR222176 representing NM_001081336 Red=Cloning site Green=Tags(s)

MAGAGSQHHPQGVAGGAVAGASAVSPTAAGPGEDSSDSEAEQEGPQKLIRKVVSTSGQMRTKTSIKEGQLL
KQTSSFQRWKKRYFKLRGRTLYYAKDSKSLIFDEVDLSDASVAEASTKNANNNSFTIITPFRRLLMCAENR
KEMEVWISSLKSVQSREPYEVAQFNVEHFSGMHNWYACSHARPTFCNVCRESLSGVTSHGLSCEVCKFKA
HKRCAVRATNNCKWTTLASIGKDIIEDEDGVAMPHQWLEGNLPVSAKCAVCDKTCGSVLRQLQDWKCLWCK
TMVHTACKDVYHPVCPLGQCKVSIIPPIALNSTSDGFCRATFSFCVSPLLVFVNSKSGDNQGVKFLRRF
KQLLNPAQVFDLMNGGPYLGLRLFQKFDNFRILVCGGDGSGVWVLEIDKLNHLKQCQLGVLPLGTGNL
ARVLGWGGSYDDDTQLPQILEKLERASTKMLDRWSIMTYELKLPKSSLLPEPVAATEEFYMTIYEDSVA
NHLTKIVNSDEHAVVISSAKILCETVKDFVAKVEKAQDRTLENTVVAEAVASKCSVLNEKLEQLLQALHA
DSQASRVPPGIGPAIPEEDTVESASDESLGESKDQLVNDIGKPSSQKAVKPREIMLRANSLKKAQRVIE
EAEKVMDEPAVQPSEPVSPSCDYDTETDEAKEDDAKESLSAKTTSQSPDAQASCGHPQTDSVAGPAMATT
KENLPVLNTRIICPGLRAGLAASIAGSSIINKMLLANIDPFGATPFIDPDLDLSDGYSEKVMNNYFGIG
LDAKISLEFNKREEHPEKCRSRTKNLMWYGVLTRELLQRSYKNLEQRVQLECDGQYIPLPSLQGI AVL
NIPSYAGGTNFWGGTKEDDIFAAPSFDDKILEVVAVFDSVQMAVSRVIKLQHHRIAQCRTVKITIFGDEG
VPVQVDGEAWVQPPGIKIVHKNRAQMLTRDRAFESTLKSWEKQKCDSGKPVLRNLYIHPAPDLATEE
VSQMRLCSQAAEELITRICDAATIHCLLEQELAHAVNACSHALNKANPRFPESLTRDTATEIAINVKALY
NETEALLVGRVPLHLESPHEERVSSALHSVEMELQKLTEIPWLYYILRPSEDEEPLDCTKRNNKSTVFR
IVPKFKKEKAQKQKTSSQPGPGDSESGSYEANS PGN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	127.4 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining



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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_001074805
Locus ID:	380921
UniProt ID:	D3YXJ0
RefSeq Size:	3967
Cytogenetics:	14 D3
RefSeq ORF:	3468
Synonyms:	5930402B05Rik; D130015C16; DGK
Summary:	Diacylglycerol kinase that converts diacylglycerol/DAG into phosphatidic acid/phosphatidate/PA and regulates the respective levels of these two bioactive lipids (PubMed:27643686). 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 (Probable). Plays a key role in promoting cell growth. Activates the Ras/B-Raf/C-Raf/MEK/ERK signaling pathway induced by EGF. Regulates the recruitment of RAF1 and BRAF from cytoplasm to membranes and their heterodimerization (By similarity).[UniProtKB/Swiss-Prot Function]