

Product datasheet for **TP319593M**

DGKH (NM_178009) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human diacylglycerol kinase, eta (DGKH), transcript variant 2, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC219593 representing NM_178009 Red =Cloning site Green =Tags(s)

MAGAGGQHPPGAAGGAAAGAGAAVTSAAASAGPGEDSSDSEAEQEGPQKLIRKVSTSGQIRTKTSIKEG
QLLKQTSSFQRWKKRYFKLRGRTLYYAKDSKSLIFDEVDLSDASVAEASTKNANNSTIITPFRRMLLCA
ENRKEMEDWISSLKSVQTPREPYEVAQFNVEHFSGMHNWYACSHARPTFCNVCRESLSGVTSHGLSCEVCK
FKAHKRAVRATNNCKWTTLASIGKDIEDEDGVAMPHQWLEGNLPVSAKCAVCDKTCGVLRLQDWKCL
WCKTMVHTACKDLYHPICPLGQCKVSIIPPIALNSTSDGFCRATFSFCVSPLLVFVNSKSGDNQGVKFL
RRFKQLLNPAQVFDLMNGGPHLGLRFLQKFDNFRILVCGGDGSGVWVWVSEIDKLNLNKQCQLGVPLGTG
NDLARVLGWGGSYDDDTQLPQILEKLERASTKMLDRWSIMTYELKLPKASLLPGPPEASEEFYMTIYED
SVATHLTKILNSDEHAVVISSAKTLCETVKDFVAKVEKTYDKTLENVAVADAVASKCSVLNEKLEQLLQA
LHTDSQAAPVLPGLSPLIVEEDAVESSSEESLGESEKQLGDDVTKPSSQKAVKPREIMLRANSLKKAQRQ
VIEEAGKVMDDPTVHPCEPANQSSDYDSTETDESKEEAKDDGAKESITVKTAPRSPDARASYGHSQTDSV
PGPAVAASKENLPVLNTRICPGLRAGLAASIAGSSIINKMLLANIDPFGATPFIDPDLDSDVDGYSEKCV
MNNYFGIGLDAKISLEFNKREEHPEKCRSRTKNLMWYGVLTRELLQRSYKNLEQRVQLECDGQYIPLP
SLQGIAVLNIPSYAGGTNFWGGTKEDDIFAAPSFDDKILEVVAIFDSMQMAVSRVIKQLHHRIAQCRTVK
ITIFGDEGVPVQVDGEAWVQPPGIIKIVHKNRAQMLTRDRAFESTLKSWEKQKCDGSKPVLRTHLYIHH
AIDLATEEVSQMQLCSQAAEELITRICDAATIHCLLEQELAHAVNACSHALNKANPRCPESLTRDTATEI
AINVKALYNETESLLVGRVPLQLESPHEERVSNALHSVEVELQKLTEIPWLYIILHPNEDEEPPMDCTKR
NNRSTVFRIVPKFKKEKVQKQKTSSQPVQKWGTEEVAAWLDLLNLGEYKDFIRHDIRGAELLHLERRDL
KDLGIPKVGHVKRILQGIKELGRSTPQSEV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

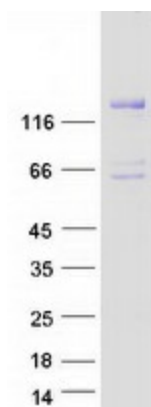
Tag:	C-Myc/DDK
Predicted MW:	134.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining



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Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
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.
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_821077
Locus ID:	160851
UniProt ID:	Q86XP1
RefSeq Size:	4248
Cytogenetics:	13q14.11
RefSeq ORF:	3660
Synonyms:	DGKeta
Summary:	This gene encodes a member of the diacylglycerol kinase (DGK) enzyme family. Members of this family are involved in regulating intracellular concentrations of diacylglycerol and phosphatidic acid. Variation in this gene has been associated with bipolar disorder. Alternatively spliced transcript variants have been identified. [provided by RefSeq, Jul 2014]
Protein Families:	Druggable Genome
Protein Pathways:	Glycerolipid metabolism, Glycerophospholipid metabolism, Metabolic pathways, Phosphatidylinositol signaling system

Product images:



Coomassie blue staining of purified DGKH protein (Cat# [TP319593]). The protein was produced from HEK293T cells transfected with DGKH cDNA clone (Cat# [RC219593]) using MegaTran 2.0 (Cat# [TT210002]).