

## Product datasheet for **TP319593**

### DGKH (NM\_178009) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human diacylglycerol kinase, eta (DGKH), transcript variant 2, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC219593 representing NM_178009 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MAGAGGQHHPGAAGGAAAGAGAAVTSAAASAGPGEDSSDSEAEQEGPQKLIRKVSTSGQIRTKTSIKEG  
QLLKQTSSFQRWKKRYFKLRGRTLTYAKDSKSLIFDEVDLSDASVAEASTKNANNSTIITPFRRMLLCA  
ENRKEMEDWISSLKSVQTPREPYEVAQFNVEHFSGMHNWYACSHARPTFCNVCRESLSGVTSHGLSCEVCK  
FKAHKRAVRATNNCKWTTLASIGKDIIEDEDGVAMPHQWLEGNLPVSAKCAVCDKTCGVLRLQDWKCL  
WCKTMVHTACKDLYHPICPLGQCKVSIIPPIALNSTSDGFCRATFSFCVSPLLVFNVNSKSGDNQGVKFL  
RRFKQLLNPAQVFDLMNGGPHLGLRFLQKFDNFRILVCGGDGSGVWVWVSEIDKLNLNKQCQLGVLPLGTG  
NDLARVLGWGGSYDDDTQLPQILEKLERASTKMLDRWSIMTYELKLPKASLLPGPPEASEEFYMTIYED  
SVATHLTKILNSDEHAVVISSAKTLCETVKDFVAKVEKTYDKTLENVAVADAVASKCSVLNEKLEQLLQA  
LHTDSQAAPVLPGLSPLIVEEDAVESSSEESLGESEKQLGDDVTKPSSQKAVKPREIMLRANSLKKAQRQ  
VIEEAGKVMDDPTVHPCEPANQSSDYDSTETDESKEEAKDDGAKESITVKTAPRSPDARASYGHSQTDSDV  
PGPAVAASKENLPVLNTRICPGLRAGLAASIAGSSIINKMLLANIDPFGATPFIDPDLDSDVDGYSEKCV  
MNNYFGIGLDAKISLEFNKREEHPEKCRSRTKNLMWYGVLTRELLQRSYKNLEQRVQLECDGQYIPLP  
SLQGIAVLNIPSYAGGTNFWGGTKEDDIFAAPSFDDKILEVVAIFDSMQMAVSRVIKQLHHRIAQCRTVK  
ITIFGDEGVPVQVDGEAWVQPPGIIKIVHKNRAQMLTRDRAFESTLKSWEKQKCDGSGKPVLRTHLYIHH  
AIDLATEEVSQMQLCSQAAEELITRICDAATIHCLLEQELAHAVNACSHALNKANPRCPESLTRDTATEI  
AINVKALYNETESLLVGRVPLQLESPHEERVSNALHSVEVELQKLTEIPWLYIILHPNEDEEPPMDCTKR  
NNRSTVFRIVPKFKKEKVQKQKTSSQPVQKWGTTEEVAAWLDDLNLGEYKDFIRHDIRGAELLHLERRDL  
KDLGIPKVGHVKRILQGIKELGRSTPQSEV

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

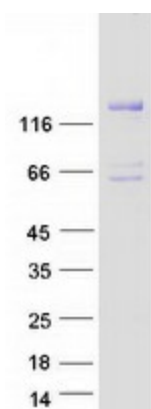
Tag:	C-Myc/DDK
Predicted MW:	134.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining



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<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_821077</a>
<b>Locus ID:</b>	160851
<b>UniProt ID:</b>	<a href="#">Q86XP1</a>
<b>RefSeq Size:</b>	4248
<b>Cytogenetics:</b>	13q14.11
<b>RefSeq ORF:</b>	3660
<b>Synonyms:</b>	DGKeta
<b>Summary:</b>	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]
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	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]).