

Recombinant Human DGKH Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. DGKH-2563H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	DGKH MS Standard C13 and N15-labeled recombinant protein (NP_821077) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	134.7 kDa
AA Sequence	MAGAGGQHPPGAAGGAAAGAGAAVTSAAASAGPGEDSSDSEAEQEGPQKLIRK VSTSGQIRTKTSIKEGQLLKQTSSFQRWKKRYFKLRGRTLYYAKDSKSLIFDEVLDSD ASVAEASTKNANNSFTIITPFRRMLCAENRKEMEDWISSLKSVQTREPYEVAQFNV EHFSGMHNWYACSHARPTFCNVCRESLSGVTSHGLSCEVCKFKAHKRCAVRATNN CKWTTLASIGKDIIEDEDGVAMPHQWLEGNLPVSAKCAVCDKTCGSVLRLQDWKCL WCKTMVHTACKDLYHPICPLGQCKVSIIPPIALNSTSDSGFCRATFSFCVSPLLVFVN SKSGDNQGVKFLRRFKQLLNPAQVFDLMNGGPHLGLRLFQKFDNFRILVCGGDGSV GWVLSEIDKLNLNKQCQLGVPLGTGNDLARVLGWGGSYDDDTQLPQILEKLERAS TKMLDRWSIMTYELKLPPKASLLPGPPEASEEFYMTIYEDSVATHLTKILNSDEHAVVI

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SSAKTLCETVKDFVAKVEKTYDKTLENVAVADAVASKCSVLNEKLEQLLQALHTDSQ
 AAPVLPGLSPLIVEEDAVESSEESLGESKEQLGDDVTKPSSQKAVKPREIMLRANS
 LKKAVRQVIEEAGKVMDDPTVHPCEPANQSSDYDSTETDESKEEAKDDGAKESITV
 KTAPRSPDARASYGHSQTDSVPGPAVAASKENLPVLNTRIICPGLRAGLAASIAGSSII
 NKMLLANIDPFGATPFIDPDLDSDVGYSKCVMMNNYFGIGLDAKISLEFNNKREEHPE
 KCRSRTKNLMWYGVLTRELLQRSYKNLEQRVQLECDGQYIPLPSLQGIAVLNIPSY
 AGGTNFWGGTKEDDIFAAPSFDDKILEVVAIFDSMQMAVSRVIKLQHHRIAQCRTVKI
 TIFGDEGVPVQVDGEAWVQPPGIIKIVHKNRAQMLTRDRAFESTLKSWEKQKCDSD
 GKPVLRTHLIYHHAIDLATEEVSQMQLCSSQAAEELITRICDAATIHCLLEQELAHAVNA
 CSHALNKANPRCPESLTRDTATEIAINVKALYNETESLLVGRVPLQLESPHEERVSN
 LHSVEVELQKLTEIPWLYYILHPNEDEEPPMDCTKRNNRSTVFRIVPKFKKEKVQKQ
 KTSSQPVQKWGTEEVAAWDLLNLGEYKDIFIRHDIRGAELLHLERRDLKDLGIPKVG
 HVKRILQGIKELGRSTPQSEVTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name DGKH diacylglycerol kinase eta [Homo sapiens (human)]

Official Symbol DGKH

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Synonyms	DGKH; diacylglycerol kinase, eta; DGKeta;
Gene ID	160851
mRNA Refseq	NM_178009
Protein Refseq	NP_821077
MIM	604071
UniProt ID	Q86XP1
SDS-PAGE	