Diacylglycerol Kinase Gamma (DGKG) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	Diacylglycerol kinase gamma (Dgkg), Recombinant Protein
Full Product Name	Recombinant Mouse Diacylglycerol kinase gamma (Dgkg)
Product Gene Name	Dgkg recombinant protein
Product Synonym Gene Name	Dgkg
Sequence	MSEEQWVSLS SEEFDQLQKY SEYSSKKIKD VLAEFNEGGS LRQYDPHKPI SYDVFKLFMR AYLEVDLPQP LSTHLFLAFS QKPRQETPDH PKEGASSSEP NVSDYNSDNA AKADEACAPD TESKTTKTQA PSKELEAAAP WEDPGALASS SDAPVVYLKD VVCYLSLMET GRPQDKLEFM FRLYDSDENG LLDQAEMDQI VSQMLHVAQY LEWDPTELRP ILKEMLQGMD YDKDGFVSLQ EWINGGMTTI PLLVLLGMDD SGSKGDGRHA WTLKHFKKPT YCNFCRAMLM GVGKQGLCCI YCKYTVHQRC VSKTIHGCVK TNSKAKRSGE VMQHAWVEGN SSVKCDRCHK SIKCYQSVTA RHCVWCRMTF HRKCELSTVC DGGELKDHIL LPTSICPVSG DRQGGKSDGS VAAKGELVTQ YKIIPSPGTH PLLVLVNPKS GGRQGERILR KFHYLLNPEQ VFNLDNGGPT PGLNFFHDTP DFRVLACGGD GTVGWILDCI DKANFTKHPP VAVLPLGTGN DLARCLRWGG GYEGGSLTKI LKEIEQSPLV MLDRWYLEVM PREEVENGDQ VPYNIMNNYF SIGVDASIAH RFHMMREKHP EKFNSRMKNK LWYFEFGTSE TFAATCKKLH DHIELECDGV EVDLSNIFLE GIAILNIPSM YGGTNLWGET KKNRAVIRES RKSVTDPKEL KCCVQDLSDQ LLEVVGLEGA MEMGQIYTGL KSAGRRLAQC SSVTIRTNKL LPMQVDGEPW MQPQCTIKIT HKNQAPMMMG PPQKSSFFSL RRKSRSKD
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	88,523 Da
Sequence Positions	1-788, Full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q91WG7
Species	Mouse
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Dgkg recombinant protein	This gene encodes an enzyme that is a member of the type I subfamily of diacylglycerol kinases, which are involved in lipid metabolism. These enzymes generate phosphatidic acid by catalyzing the phosphorylation of diacylglycerol, a fundamental lipid second messenger that activates numerous proteins, including protein kinase C isoforms, Ras guanyl nucleotide-releasing proteins and some transient receptor potential channels. Diacylglycerol kinase gamma has been implicated in cell cycle regulation and in the negative regulation of macrophage differentiation in leukemia cells. Multiple transcript variants encoding different isoforms have been found for this gene.
Other Notes	Small volumes of Dgkg recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

Searchable Terms for Dgkg purchase	MBS1340361 is a recombinant protein targeting Dgkg. Also known as Recombinant Mouse Diacylglycerol kinase gamma (Dgkg). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Dgkg. It may not necessarily be applicable to this product.

NCBI GI #	20149724
NCBI GeneID	110197
NCBI Accession #	NP_619591.1
UniProt Primary Accession #	Q91WG7
UniProt Related Accession #	Q91WG7
GenBank Nucleotide #	NM_138650.2
NCBI Official Full Name	diacylglycerol kinase gamma isoform 1
NCBI Official Synonym Full Names	diacylglycerol kinase, gamma
NCBI Official Symbol	Dgkg
NCBI Official Synonym Symbols	90kDa; Dagk3; AI854428; mKIAA4131; 2900055E17Rik; E430001K23Rik
UniProt Protein Name	Diacylglycerol kinase gamma
UniProt Synonym Protein Names	88 kDa diacylglycerol kinase; Diglyceride kinase gamma; DGK-gamma
Protein Family	Diacylglycerol kinase
UniProt Gene Name	Dgkg
UniProt Synonym Gene Names	Dagk3; DAG kinase gamma; DGK-gamma
NCBI Protein Information	diacylglycerol kinase gamma
Research Articles on Dgkg	**1.** A novel morphological function of the C-terminal DGK-gamma catalytic region in filopodia formation, independent of its enzymatic activity.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/recombinant-protein/diacylglycerol-kinase-gamma-dgkg/1340361