DGKH Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	DGKH, Recombinant Protein
Full Product Name	Recombinant Human DGKH
Product Gene Name	DGKH recombinant protein
Product Synonym Names	DAG kinase eta; DGK eta; DGKeta; DGKH; Diacylglycerol kinase eta; diacylglycerol kinase; eta; Diglyceride kinase eta
Host	E Coli
Form/Format	Lyophilized from a 0.2um filtered solution in PBS with 5% trehalose, pH7.4
Purity/Purification	Greater than 95% by SDS-PAGE gel analyses
Preparation and Storage	Store at -20 degree C for 12 months as lyophilized; 2-8 degree C for 1 month under sterile conditions after reconstitution
Molecular Weight	134,866 Da
Sequence Positions	1-187
Chromosome Location	Chromosome: 13; NC_000013.10 (42614172..42803891). Location: 13q14.11
OMIM	604071
3D Structure	ModBase 3D Structure for Q86XP1
Species	Human
Tag	N-terminal His-IF2DI Tag
Reconstitution	Centrifuge the vial at 10,000rpm for 1 minute, reconstitute at 200ug/ml in sterile distilled water
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Applications Tested/Suitable for DGKH recombinant protein	Western Blot (WB), ELISA (EIA)
Related Product Information for DGKH recombinant protein	MBS7613567 is a recombinant protein targeting DGKH. Also known as Recombinant Human DGKH. Host: E Coli.
Other Notes	Small volumes of DGKH 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.

ADDITIONAL DETAILS

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

NCBI GI #	325197213
NCBI GeneID	160851
NCBI Accession #	NP_001191433.1
UniProt Primary Accession #	Q86XP1
UniProt Secondary Accession #	Q5VZW0; Q6PI56; Q86XP2; Q8N3N0; Q8N7J9; A2A2W7; A6NFX7; B4DZ34

UniProt Related Accession #	Q86XP1
GenBank Nucleotide #	NM_001204504.1
NCBI Official Full Name	diacylglycerol kinase eta isoform 1
NCBI Official Synonym Full Names	diacylglycerol kinase, eta
NCBI Official Symbol	DGKH
NCBI Official Synonym Symbols	DGKeta
UniProt Protein Name	Diacylglycerol kinase eta
UniProt Synonym Protein Names	Diglyceride kinase eta
UniProt Gene Name	DGKH
UniProt Synonym Gene Names	DAG kinase eta; DGK-eta
UniProt Entry Name	DGKH_HUMAN
NCBI Protein Information	diacylglycerol kinase eta; DGK-eta; DAG kinase eta; diglyceride kinase eta
NCBI Summary for DGKH	This gene encodes a member of the diacylglycerol kinase (DGK) enzyme family of proteins, specifically the type II DGK subfamily. Members of this family are involved in regulating the intracellular concentrations of diacylglycerol and phosphatidic acid. Alternatively spliced transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq, Mar 2011]
UniProt Comments for DGKH	DGKH: Phosphorylates diacylglycerol (DAG) to generate phosphatidic acid (PA). 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. Belongs to the eukaryotic diacylglycerol kinase family. 4 isoforms of the human protein are produced by alternative splicing. Protein type: Lipid Metabolism - glycerolipid; Motility/polarity/chemotaxis; Kinase, other; EC 2.7.1.107; Lipid Metabolism - glycerophospholipid Chromosomal Location of Human Ortholog: 13q14.11 Cellular Component: nuclear membrane; cytoplasm; plasma membrane; nucleus; endosome Molecular Function: metal ion binding; diacylglycerol kinase activity; ATP binding; NAD+ kinase activity Biological Process: platelet activation; protein kinase C activation; blood coagulation; phosphorylation; protein oligomerization
Research Articles on DGKH	**1.** DGKK variants are associated with hypospadias
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/dgkh/7613567