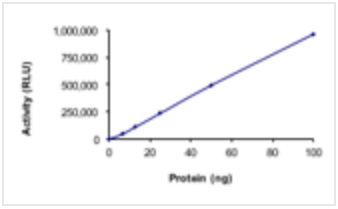
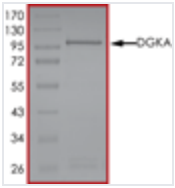
DGKA Recombinant Protein

PRODUCT OVERVIEW

Product Name	DGKA, Recombinant Protein
Full Product Name	DGKA, Active
Product Gene Name	DGKA recombinant protein
Product Synonym Names	DAGK; DAGK1; DGK-alpha
Host	Sf9 insect cells
Form/Format	Recombinant protein stored in 50mM Tris-HCl, pH7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, and 25% glycerol.
Preparation and Storage	Store product at -70 degree C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Molecular Weight	105kDa
Tag	GST
Species	Human
Dry Ice Shipment	Extra charge fee may add to your shipping cost as dry ice is required to ship this product.
Product Categories/Family for DGKA recombinant protein	Lipid Kinases; Apoptosis/Autophagy; Cancer; Cardiovascular Disease; Cell Cycle; Inflammation; PKA/PKC Pathway
Applications Tested/Suitable for DGKA recombinant protein	Kinase Assay
Related Product Information for DGKA recombinant protein	Recombinant full-length human DGKA was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The DGKA gene accession number is NM_001345. Diacylglycerol kinase alpha (DAG kinase alpha) is a member of the eukaryotic diacylglycerol kinase family. Upon cell stimulation converts the second messenger diacylglycerol into phosphatidate, initiating the resyn-thesis of phosphatidylinositols and attenuating protein kinase C activity. Involved in hepatocellular carcinoma progression through regulation of the Ras/Raf/MEK/ERK pathway. The DGKalpha/atypical PKC/beta1 integrin signaling pathway is required for matrix invasion of breast carcinoma cells.
Product References and Citations for DGKA recombinant protein	1. Takeishi, K. et al. (2012). Diacylglycerol kinase alpha enhances hepatocellular carcinoma progression by activation of Ras-Raf-MEK-ERK pathway. J. Hepatol. 57, 77-83. 2. Rainero, E. et al. (2014). The diacylglycerol kinase alpha/atypical PKC/beta1 integrin pathway in SDF-1alpha mammary carcinoma invasiveness. PLoS ONE 9:e97144. 3. Sakane F, et al. (2016). Diacylglycerol Kinases as Emerging Potential Drug Targets for a Variety of Diseases: An Update. Front Cell Dev Biol. 4:82.
Other Notes	Small volumes of DGKA 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 DGKA purchase	MBS516790 is a recombinant protein targeting DGKA. Also known as DGKA, Active. Host: Sf9 insect cells.



Activity of DGKA recombinant protein
Specific Activity: Sample Activity Plot. For specific information on a given lot, see related technical data sheet.



SDS-Page of DGKA recombinant protein
Purity: Sample Purity Data. For specific information on a given lot, see related technical data sheet.

ADDITIONAL DETAILS

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

GenBank Nucleotide #	NM_001345
Protein Family	Diacylglycerol kinase
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.
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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.

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Online datasheet: https://www.mybiosource.com/recombinant-protein/dgka/516790