

Recombinant human DGKA protein (Active) ab268441

[2 Images](#)

Description

Product name	Recombinant human DGKA protein (Active)
Biological activity	The specific activity of ab268441 was 29.1 nmol/min/mg in a kinase assay using Dilauroyl-sn-glycerol as substrate.
Purity	> 90 % SDS-PAGE. Affinity purified.
Expression system	Baculovirus infected Sf9 cells
Accession	<u>P23743</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	<p>MAKERGLISPSDFAQLQKYMESTKKVSDVLKLFEDGEM AKYVQGDAIGY EGFQQFLKMLEVDNVPRHLSLALFQSFETGHCLNETNVT KDVVCLNDVS CYFSLLEGGRPEDKLEFTFKLYDTDRNGILDSSEVDKILQ MMRVAEYLD WDVSELRPILQEMMKEIDYDGGSGSVSQA EWVRAGATTVP LLVLLGLEMTL KDDGQHMWRPKRFRPVYCNLCESSIGLGKQGLSCNLC KYTVHDQCAMKA LPCEVSTYAKSRKDIGVQSHVWVRGGCESGRCDRCQKKI RYHSLTGLHC VWCHLEIHDDCLQAVGHECDCGLLRDHILPPSSMPSVLA SGPDRKNSKT SQKTMDLNLSTSEALRIDPVPNTHPLLVFVNPKSGGKQG QRVLWKFQYI LNPRQVFNLLKDGPEIGLRLFKDVPDSRILVCGGDGTVGW ILETIDKANL PVLPPVAVLPLGTGNDLARCLRWGGGYEQNLAKILKDL EMSKVVHMDRW SVEVIPQQTEEKSDPVPFQIINNYFSIGVDASIAHRFHIMRE KYPEKFNS RMKNKLWYFEFATSESIFFSTCKKLEESLVEICGKPLDLSN</p>

LSLEGI AVL
NIPSMHGGSNLWGDTRRPHGDIYGINQALGATAKVITDPDIL
KTCVPDLS
DKRLEVVGLEGAIEMGQIYTKLKNAGRRLAKCSEITFHHTK
TLPMQIDGE
PWMQTPCTKITHKNQMPMLMGPPPRSTNFFGFLS

Molecular weight information ~82 kDa by SDS-PAGE
Amino acids 1 to 735
Tags His tag N-Terminus
Additional sequence information GenBank: NM_001345

Specifications

Our **Abpromise guarantee** covers the use of **ab268441** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications Functional Studies
SDS-PAGE
Form Liquid

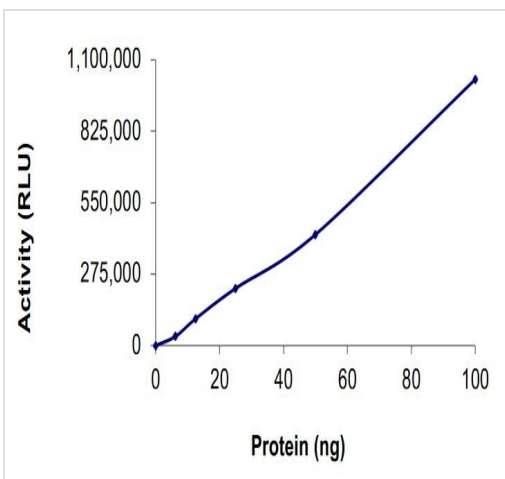
Preparation and Storage

Stability and Storage Shipped on Dry Ice. Upon delivery aliquot. Store at -80°C. Avoid freeze / thaw cycle.
pH: 7.00
Preservative: 1.02% Imidazole
Constituents: 0.82% Sodium phosphate, 1.74% Sodium chloride, 0.002% PMSF, 0.004% DTT, 25% Glycerol (glycerin, glycerine)
This product is an active protein and may elicit a biological response in vivo, handle with caution.

General Info

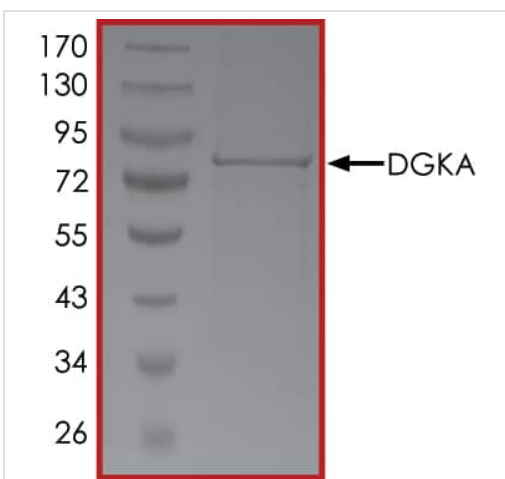
Function Upon cell stimulation converts the second messenger diacylglycerol into phosphatidate, initiating the resynthesis of phosphatidylinositols and attenuating protein kinase C activity.
Tissue specificity Lymphocytes and oligodendroglial cells.
Sequence similarities Belongs to the eukaryotic diacylglycerol kinase family.
Contains 1 DAGKc domain.
Contains 2 EF-hand domains.
Contains 2 phorbol-ester/DAG-type zinc fingers.

Images



The specific activity of ab268441 was 29.1 nmol/min/mg in a kinase assay using Dilauroyl-sn-glycerol as substrate.

Functional Studies - Recombinant human DGKA protein (Active) (ab268441)



SDS-PAGE analysis of ab268441.

SDS-PAGE - Recombinant human DGKA protein (Active) (ab268441)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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