

Datasheet for ABIN7553698
DGKK Protein (AA 1-1271) (His tag)



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Overview

Quantity:	1 mg
Target:	DGKK
Protein Characteristics:	AA 1-1271
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This DGKK protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat DGKK Protein expressed in mammalien cells.
Sequence:	<p>MDRGAAAAQG TAPPQDGEQP AESPEPPPPW PPPPPPPAPP PAPPLLSEAS PEPIPEPCPE LAPGPCPEAT SESATELYTE PTPEPATEPA SEPAPEPATE PAPEPATEPA PEPAPEPATE SAPEPTPEPA LESVPEPAPE LTPEVAPELA PEPTPEPVTE LAPEFCPEAA PEFRSPAPC LLQCPVDTRE RGLKTSPSPS PPSPTPTMS WSRIKKILKE GPMLKNCNSF KRWKLYFLV QGQKLYFAHH PAFAHFETID LSQATVAESS CRNLCHSFCV ITPQRKITLA APNRKDMEEW INIIKTIQQG EIYKIPAAEN NPFLVGMHCW YSSYSHRTQH CNVCRESIPA LSRDAIICEV CKVKSHRLCA LRASKDCKWN TLSITDDLLL PADEVNMPHQ WVEGNMPVSS QCAVCHESCG SYQRLQDFRC LWCNSTVHDD CRRRFSKECC FRSHRSSVIP PTALSDPKGD GQLVVSSDFW NLDWSSACSC PLLIFINSKS GDHQGIVFLR KFKQYLNPSQ VFDLLKGGPE AGLSMFKNFA RFRILVCGGD GSVSWVLSLI DAFGLHEKCQ LAVIPLGTGN DLARVLGWA FWNKSKSPLD ILNRVEQASV RILDRWSVMI RETPRQTPLL KGQVEMDVPR FEAAAIQHLE SAATELNKIL</p>

KAKYPTMII ATRFLCSAVE DFVVDIVKAW GQIKQNNTAI VSVILKSDLM YDRLSVLIDV
LAEAAAATSA EKSATEYADS SKADRKPFIP QIDHIAKCKL ELATKAQSLQ KSLKLIIFQV
EQALDEESRQ TISVKNFSST FFLEDDPEDI NQTSPRRRSR RGTLSISSSL KSEDLDNLNL
DHLHFTPESI RFKEKVMNN YFGIGLDAKI SLDFNTRRDE HPGQYNSRLK NKMWYGLLGT
KELLQRSYRK LEERVHLECD GETISLPNLQ GIVVLNITSY AGGINFWGSN TATTEYEAPA
IDDGKLEVVA IFGSVQMAMS RIINLHHHRI AQCHEVMITI DGEEGIPVQV DGEAWIQRPG
LIKIRYKNAA QMLTRDRDFE NSMKMWEYKH TEIQAAPQPQ LDFQDSQESL SDEEYAQMQH
LARLAENLIS KLNDLSKIHQ HVSVLMGSVN ASANILNDIF YGQDSGNEMG AASCIPIETL
SRNDAVDVTF SLKGLYDDTT AFLDEKLLRS AEDETALQSA LDAMNKEFKK LSEIDWMNPI
FVPEEKSSDT DSRSLRLKIK FPKLGKKKVE EERKPKSGQS VQSFIGNLWH RRHREDEAEG
DDPLTPSRSQ L **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

Characteristics:

Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

Grade:

custom-made

Target Details

Target:

DGKK

Alternative Name:

DGKK ([DGKK Products](#))

Target Details

Background: Diacylglycerol kinase kappa (DAG kinase kappa) (DGK-kappa) (EC 2.7.1.107) (142 kDa diacylglycerol kinase) (Diglyceride kinase kappa),FUNCTION: Diacylglycerol kinase that converts diacylglycerol/DAG into phosphatidic acid/phosphatidate/PA and regulates the respective levels of these two bioactive lipids (PubMed:16210324, PubMed:23949095). Thereby, acts as a central switch between the signaling pathways activated by these second messengers with different cellular targets and opposite effects in numerous biological processes (Probable). {ECO:0000269|PubMed:16210324, ECO:0000269|PubMed:23949095, ECO:0000305}.

Molecular Weight: 141.8 kDa

UniProt: [Q5KSL6](#)

Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months
