



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Datasheet

### DGKG (Human) Recombinant Protein (P01)

**Catalog Number:** H00001608-P01

**Regulation Status:** For research use only (RUO)

**Product Description:** Human DGKG full-length ORF ( NP\_001074213.1, 1 a.a. - 766 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MGEERWVSLTPEEFDQLQKYSEYSSKKIKDALTEFNE  
GGSLKQYDPHEPISYDVFKLFMRAYLEVLDLPQPLSTHL  
FLAFSQKPRHETSDHPTEGASNSEANSADTNIQNADN  
ATKADEACAPDTESNMAEKQAPAEDQVAATPLEPPVP  
RSSSESPEVVYLKDVVVCYLSLLETGRPQDKLEFMFRL  
YDSDENGLLDQAEMDCIVNQMLHIAQYLEWDPTLRPI  
LKEMLQGMDYDRDGFVSLQEWWHGGMTTIPLLVLLG  
MDDSGSKGDGRHAWTMKHFKKPTYCNFCHIMLMGV  
RKQGLCCTYCKYTVHERCVSRNIPGCVKTYSAKRSG  
EVMQHAWVEGNSSVKCDRCHKSIKCYQSVTARHCV  
WCRMTFHRKCELSTLCDGGELRDHILLPTSICPITRDR  
PGEKSDGCVSAKELVMQYKIIPGTHPLLVLVNPKS  
GGRQGERLNFFRDTPDFRVLACGGDGTGVWILDICDK  
ANFAKHPPVAVLPLGTGNDLARCLRWGGGYEGGSLT  
KILKDIEQSPLVMLDRWHLEVIPREEVENGDQVPYSIM  
NNYFSIGVDASIAHRFHMREKHPEKFNSRMKNKLWY  
FEFGTSETFAATCKKLHDHIELECDGVGVDLNIFLEGI  
AILNIPSMYGGTNLWGENKKNRAVIRESRKGVTDPKEL  
KFCVQDLSDQLLEVVGLEGAMEMGQIYTGLKSAGRRL  
AQCASVTIRTNKLLPMQVDGEPWMQPCCTIKITHKNQ  
APMMMGPQKSSFFSLRRKRSKD

**Host:** Wheat Germ (in vitro)

**Theoretical MW (kDa):** 112.7

**Applications:** AP, Array, ELISA, WB-Re

(See our web site product page for detailed applications information)

**Protocols:** See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Preparation Method:** [in vitro wheat germ expression system](#)

**Purification:** Glutathione Sepharose 4 Fast Flow

**Storage Buffer:** 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

**Storage Instruction:** Store at -80°C. Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 1608

**Gene Symbol:** DGKG

**Gene Alias:** DAGK3, DGK-GAMMA, MGC104993, MGC133330

**Gene Summary:** 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. [provided by RefSeq]