



# SZABO SCANDIC

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## Produktinformation



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Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## DGKB Pre-design Chimera RNAi

Catalog # : H00001607-R04

規格 : [ 10 nmol ] [ 20 nmol ]

List All

### Specification

**Product Description:** Homo sapiens diacylglycerol kinase, beta 90kDa (DGKB), transcript variant 1, mRNA.

**Reactivity:** Human

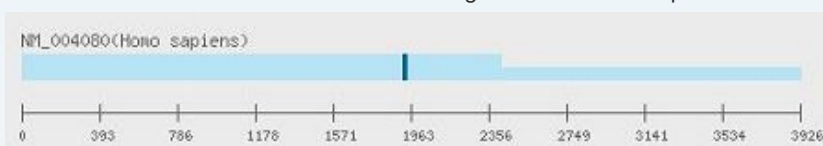
**Supplied Product:** DEPC water

**Target Refseq:** NM\_004080

**Target Region:** Coding sequence

**Storage Instruction:** Store at -20°C, do not exceed 4 - 5 freeze-thaw cycles to ensure product integrity.

**Note:** Position of the Chimera RNAi.  
The related RNAi products listed below were designed from different accession number but sharing the same RNAi sequence.



### Application Image

RNAi Knockdown

### Publication Reference

- [dsCheck: highly sensitive off-target search software for double-stranded RNA-mediated RNA interference.](#)  
Naito Y, Yamada T, Matsumiya T, Ui-Tei K, Saigo K, Morishita S. *Nucleic Acids Res.* 2005 Jul 1;33(Web Server issue):W589-91.
- [Functional dissection of siRNA sequence by systematic DNA substitution: modified siRNA with a DNA seed arm is a powerful tool for mammalian gene silencing with significantly reduced off-target effect.](#)  
Ui-Tei K, Naito Y, Zenno S, Nishi K, Yamato K, Takahashi F, Juni A, Saigo K. *Nucleic Acids Res.* 2008 Apr;36(7):2136-51. Epub 2008 Feb 11.
- [Guidelines for the selection of highly effective siRNA sequences for mammalian and chick RNA interference.](#)  
Ui-Tei K, Naito Y, Takahashi F, Haraguchi T, Ohki-Hamazaki H, Juni A, Ueda R, Saigo K. *Nucleic Acids Res.* 2004 Feb 9;32(3):936-48. Print 2004.
- [siDirect: highly effective, target-specific siRNA design software for mammalian RNA interference.](#)  
Naito Y, Yamada T, Ui-Tei K, Morishita S, Saigo K. *Nucleic Acids Res.* 2004 Jul 1;32(Web Server issue):W124-9.

### Applications

RNAi Knockdown

### Gene Information

Entrez GeneID: [1607](#)

**Gene Name:** DGKB

**Gene Alias:** DAGK2,DGK,DGK-BETA,KIAA0718

**Gene Description:** diacylglycerol kinase, beta 90kDa

**Omim ID:** [604070](#)

**Gene Ontology:** [Hyperlink](#)

**Gene Summary:** Diacylglycerol kinases (DGKs) are regulators of the intracellular concentration of the second messenger diacylglycerol (DAG) and thus play a key role in cellular processes. Nine mammalian isotypes have been identified, which are encoded by separate genes. Mammalian DGK isozymes contain a conserved catalytic (kinase) domain and a cysteine-rich domain (CRD). The protein encoded by this gene is a diacylglycerol kinase, beta isotype. Two alternatively spliced transcript variants have been found for this gene. [provided by RefSeq]

**Other Designations:** DAG kinase beta,diacylglycerol kinase, beta,diacylglycerol kinase, beta (90kD),diglyceride kinase beta

#### Gene Pathway

[Glycerolipid metabolism](#) [Glycerophospholipid metabolism](#) [Metabolic pathways](#)  
[Phosphatidylinositol signaling system](#)

#### Related Disease

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[Genetic Predisposition to Disease](#) [Narcolepsy](#) [Tobacco Use Disorder](#)

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