



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



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### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Datasheet

### DGUOK (Human) Recombinant Protein (P01)

**Catalog Number:** H00001716-P01

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

**Product Description:** Human DGUOK full-length ORF (AAH15757, 1 a.a. - 277 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MAAGRLFLSRLRAPFSSMAKSPLEGVSSSRGLHAGR  
GPRRLSIEGNIAVGKSTFVKLLTKTYPEWHVATEPVAT  
WQNIQAAGTQKACTAQSGLNLLDDMMYREPARWSYTF  
QTFSFLSRLKVQLEPFPEKLLQARKPVQIFERSVYSR  
YIFAKNLFENGSLSDIEWHIYQDWHSFLLWEFASRITLH  
GFIYLQASPQVCLKRLYQRAREEEKGIELAYLEQLHGQ  
HEAWLIHKTTKLHFEALMNIPVLVLDVNDDFSEEVTKQ  
EDLMREVNTFVKNL

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

**Theoretical MW (kDa):** 56.21

**Interspecies Antigen Sequence:** Mouse (75); Rat (76)

**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:** 1716

**Gene Symbol:** DGUOK

**Gene Alias:** dGK

**Gene Summary:** In mammalian cells, the phosphorylation of purine deoxyribonucleosides is mediated predominantly by two deoxyribonucleoside kinases, cytosolic deoxycytidine kinase and mitochondrial deoxyguanosine kinase. The protein encoded by this gene is responsible for phosphorylation of purine deoxyribonucleosides in the mitochondrial matrix. In addition, this protein phosphorylates several purine deoxyribonucleoside analogs used in the treatment of lymphoproliferative disorders, and this phosphorylation is critical for the effectiveness of the analogs. Alternative splice variants encoding different protein isoforms have been described for this gene. [provided by RefSeq]