



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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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

### PKN1 (Human) Recombinant Protein (Q01)

**Catalog Number:** H00005585-Q01

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

**Product Description:** Human PKN1 partial ORF (AAH40061, 462 a.a. - 615 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

LDMEPQGCLVAEVTFRNPVIERIPRLRRQKKIFSKQQG  
KAFQRARQMNIDVATWVRLRLRLLIPNATGTGTFSPGA  
SPGSEARTTGDISVEKLNLTSDSSPQKSSRDPPSS  
PSSLSSPIQESTAPELPSETQETPGPALCSPLRKSPLTL  
EDF

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

**Theoretical MW (kDa):** 42.57

**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:** 5585

**Gene Symbol:** PKN1

**Gene Alias:** DBK, MGC46204, PAK1, PKN, PKN-ALPHA, PRK1, PRKCL1

**Gene Summary:** The protein encoded by this gene belongs to the protein kinase C superfamily. This kinase

is activated by Rho family of small G proteins and may mediate the Rho-dependent signaling pathway. This kinase can be activated by phospholipids and by limited proteolysis. The 3-phosphoinositide dependent protein kinase-1 (PDPK1/PDK1) is reported to phosphorylate this kinase, which may mediate insulin signals to the actin cytoskeleton. The proteolytic activation of this kinase by caspase-3 or related proteases during apoptosis suggests its role in signal transduction related to apoptosis. Alternatively spliced transcript variants encoding distinct isoforms have been observed. [provided by RefSeq]