



# 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

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

## Datasheet

### PRKCZ (Human) Recombinant Protein (P01)

**Catalog Number:** H00005590-P01

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

**Product Description:** Human PRKCZ full-length ORF ( NP\_002735.3, 1 a.a. - 592 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MPSRTGPKMEGSGGRVRLKAHYGGDIFITSVDAATTF  
EELCEEVRDMCRLHQHPLTLKWVDSEGDPCTVSSQ  
MELEEFRLARQCRDEGLIIVFPSTPEQPLPCPGED  
KSIYRRGARRWRKLYRANGHLFQAKRFNRRAYCGQC  
SERIWGLARQGYRCINCKLLVHKRCHGLVPLTCRKHM  
DSVMPSQEPPVDDKNEDADLPSEETDGIAYISSSRKH  
DSIKDDSEDLKPVIDGMDGKISQGLGLQDFDLIRVIGR  
GSYAKVLLVRLKKNQDIYAMKVVKELVHDEDEDWV  
QTEKHVFEQASSNPFLVGLHSCFQTTSRLFLVIEYVNG  
GDLMFHMQRQRKLP EEHARFYAAEICIALNFLHERGIY  
RDLKLDNVLLDADGHIKLT DYGMCKEGLGPGDTTSTF  
CGTPNYIAPEILRGEEYGFSDWWALGVL MFEMMAG  
RSPFDIITDNPDMNTEDYLFQVILEKPIRIPRFLSVKASH  
VLKGFLNKDPKERLGCRPQTGFSDIKSHAFFRSIDWDL  
LEKKQALPPFPQITDDYGLDNFDTQFTSEPVQLTPDD  
EDAIDRIDQSEFEGFEYINPLLLSTEESV

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

**Theoretical MW (kDa):** 94.1

**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:** 5590

**Gene Symbol:** PRKCZ

**Gene Alias:** PKC-ZETA, PKC2

**Gene Summary:** Protein kinase C (PKC) zeta is a member of the PKC family of serine/threonine kinases which are involved in a variety of cellular processes such as proliferation, differentiation and secretion. Unlike the classical PKC isoenzymes which are calcium-dependent, PKC zeta exhibits a kinase activity which is independent of calcium and diacylglycerol but not of phosphatidylserine. Furthermore, it is insensitive to typical PKC inhibitors and cannot be activated by phorbol ester. Unlike the classical PKC isoenzymes, it has only a single zinc finger module. These structural and biochemical properties indicate that the zeta subspecies is related to, but distinct from other isoenzymes of PKC. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq]