



# 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

### PRKAR1B (Human) Recombinant Protein (P01)

**Catalog Number:** H00005575-P01

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

**Product Description:** Human PRKAR1B full-length ORF ( NP\_002726.1, 1 a.a. - 381 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MASPPACPSEEDESLKGCELYVQLHGIQQVLKDCIVHL  
CISKPERPMKFLREHFLEKEENRQILARQKSNSQSD  
SHDEEVSPTPPNPVVKARRRRGGVSAEVYTEEDAVS  
YVRKVIPKDYKTMTALAKAISKNVLF AHLDDNERSDIFD  
AMFPVTHIAGETVIQQGNEGDNFYVVDQGEVDVYVNG  
EWVTNISEGGSFGELALIYGTPRAATVKAKTDLKLGWI  
DRDSYRRILMGSTLRKRKMYEEFLSKVSILESLEKWER  
LTVADALEPVQFEDGEKIVVQGEPEGDDFYIITEGTASVL  
QRRSPNEEYVEVGR LGPSDYFGEIALLLNRPRAATVV  
ARGPLKCVKLD RPRFERVLGPCSEILKRNIQRYNSFISL  
TV

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

**Theoretical MW (kDa):** 69.5

**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:** 5575

**Gene Symbol:** PRKAR1B

**Gene Alias:** PRKAR1

**Gene Summary:** Cyclic AMP-dependent protein kinase A (PKA) is an essential enzyme in the signaling pathway of the second messenger cAMP. Through phosphorylation of target proteins, PKA controls many biochemical events in the cell including regulation of metabolism, ion transport, and gene transcription. The PKA holoenzyme is composed of 2 regulatory and 2 catalytic subunits and dissociates from the regulatory subunits upon binding of cAMP.[supplied by OMIM]