



# 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

### PRKACA (Human) Recombinant Protein (Q01)

**Catalog Number:** H00005566-Q01

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

**Product Description:** Human PRKACA partial ORF (AAH39846, 1 a.a. - 120 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MGNAAAAKKGSEQESVKEFLAKAKEDFLKKWESPAQ  
NTAHLQDFERIKTLGTGSFGRVMLVKHKETGNHYAMK  
ILDKQKVVKLKQIEHTLNEKRILQAVNFPFLVKLEFSFK  
DNSNLYMV

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

**Theoretical MW (kDa):** 38.94

**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:** 5566

**Gene Symbol:** PRKACA

**Gene Alias:** MGC102831, MGC48865, PKACA

**Gene Summary:** cAMP is a signaling molecule important for a variety of cellular functions. cAMP exerts its effects by activating the cAMP-dependent protein kinase, which transduces the signal through

phosphorylation of different target proteins. The inactive kinase holoenzyme is a tetramer composed of two regulatory and two catalytic subunits. cAMP causes the dissociation of the inactive holoenzyme into a dimer of regulatory subunits bound to four cAMP and two free monomeric catalytic subunits. Four different regulatory subunits and three catalytic subunits have been identified in humans. The protein encoded by this gene is a member of the Ser/Thr protein kinase family and is a catalytic subunit of cAMP-dependent protein kinase. Alternatively spliced transcript variants encoding distinct isoforms have been observed. [provided by RefSeq]