



# SZABO SCANDIC

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## Produktinformation



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### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Datasheet

### PRKAR2A (Human) Recombinant Protein (Q01)

**Catalog Number:** H00005576-Q01

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

**Product Description:** Human PRKAR2A partial ORF (AAH02763, 1 a.a. - 105 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MSHIQIPPGLTELLQGYTVEVLRQQPPDLVEFAVEYFT  
RLREARAPASVLPAAATPRQSLGHPPPEPGPDRVADAK  
GDSESEEDLEVPVPSRFNRRVSVCAETY

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

**Theoretical MW (kDa):** 37.18

**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:** 5576

**Gene Symbol:** PRKAR2A

**Gene Alias:** MGC3606, PKR2, PRKAR2

**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 one of the regulatory subunits. This subunit can be phosphorylated by the activated catalytic subunit. It may interact with various A-kinase anchoring proteins and determine the subcellular localization of cAMP-dependent protein kinase. This subunit has been shown to regulate protein transport from endosomes to the Golgi apparatus and further to the endoplasmic reticulum (ER). [provided by RefSeq]