



# 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

### AKT3 (Human) Recombinant Protein (P01)

**Catalog Number:** H00010000-P01

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

**Product Description:** Human AKT3 full-length ORF ( NP\_005456.1, 1 a.a. - 479 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MSDVTIVKEGWVQKRGEYIKNWRPRYFLLKTDGSFIG  
YKEKQDVDLPYPLNNSVAKCQLMKTERPKPNTFIIR  
CLQWTTVIERTFHVDTPPEEREWTEAIQAVADRLRQR  
EEERMNCSPTSQIDNIGEEEMDASTTHHKRKTMNDFD  
YLKLLGKGTFGKVLVREKASGKYAMKILKEVIAKDE  
VAHTLTESRVLKNTRHPFLTSLKYSFQTKDRLCFVMEY  
VNGGELFFHLSRERVSEDRTRFYGAEIVSALDYLSHG  
KIVYRDLKLENMLDKDGHKIDTDFGLCKEGITDAATMK  
TFCGTPEYLAPEVLEDNDYGRAVDWWGLGVVMYEM  
MCGRLPFYNQDHEKLFELILMEDIKFPRTLSSDAKSL  
SGLLIKDPNKRLLGGPDDAKEIMRHSFFSGVNWQDVY  
DKKLVPPFKPQVTSETDTRYFDEEFTAQTITITPPEKYD  
EDGMDCMDNERRPHFPQFSYSASGRE

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

**Theoretical MW (kDa):** 78.32

**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:** 10000

**Gene Symbol:** AKT3

**Gene Alias:** DKFZp434N0250, PKB-GAMMA, PKBG, PRKBG, RAC-PK-gamma, RAC-gamma, STK-2

**Gene Summary:** The protein encoded by this gene is a member of the AKT, also called PKB, serine/threonine protein kinase family. AKT kinases are known to be regulators of cell signaling in response to insulin and growth factors. They are involved in a wide variety of biological processes including cell proliferation, differentiation, apoptosis, tumorigenesis, as well as glycogen synthesis and glucose uptake. This kinase has been shown to be stimulated by platelet-derived growth factor (PDGF), insulin, and insulin-like growth factor 1 (IGF1). Alternatively splice transcript variants encoding distinct isoforms have been described. [provided by RefSeq]