



# 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

### ITPKB (Human) Recombinant Protein (P01)

**Catalog Number:** H00003707-P01

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

**Product Description:** Human ITPKB full-length ORF (AAH15009.1, 1 a.a. - 644 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MAVYCYALNSLVIMNSANEMKSGGGPGPSGSETPPP  
PRRAVLSPGSVVFSPGRGASFLFPPAESLSPEEPRSPG  
GWRSGRRRLNSSSGSGSGSSVSSPSWAGRLRG  
DRQQVVAAGTLPSPGPEEAKRKLRLQRELQNVQVNG  
KVGMEFAHIQAQSSAIQAPRSPRLGRAHSPSPCFRS  
SSQPPGRVLVQGARSEERTKSWGECPEPETSGETDS  
GRKGGPSLCSSQVKKGMPLPGRAAPTGSEAQGPSA  
FVRMEKGIASPRCGSPTAMEIDKRGSPTPGTRSCLA  
PSLGLFGASLTMAATEVAARVTSTGPHRPQDLALTEPS  
GRARELEDLQPPEALVERQGGFLGSETSPAPERGGP  
RDGEPPGKMGKGYLPCGMPGSGEPEVGRPEETTV  
SVQSAESSDALSWRLPRALASVGPEEARSGAPVGG  
GRWQLSDRVEGGSPTLGLLGGSPSAQPGTGNVEAGI  
PSGRMLEPLPCWDAAKDLKEPQCPPGDRVGVQPGN  
SRVWQGTMEKAGLAWTRGTGVQSEGTEWESQRQDS  
DALPSELLPQDQDKPFLRKACSPSNIPAVIITDMGTQ  
EDGALEETQGSPPRGNLPLRKLSSSSASSTGFSSSYED  
SEEDISSDPERTLDPNSAFLHTLDQQKPRV

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

**Theoretical MW (kDa):** 93.8

**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:** 3707

**Gene Symbol:** ITPKB

**Gene Alias:** IP3K, IP3K-B, IP3KB, PIG37

**Gene Summary:** The protein encoded by this protein regulates inositol phosphate metabolism by phosphorylation of second messenger inositol 1,4,5-trisphosphate to Ins(1,3,4,5)P<sub>4</sub>. The activity of this encoded protein is responsible for regulating the levels of a large number of inositol polyphosphates that are important in cellular signaling. Both calcium/calmodulin and protein phosphorylation mechanisms control its activity. [provided by RefSeq]