



# 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

### PTK2B (Human) Recombinant Protein (P01)

**Catalog Number:** H00002185-P01

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

**Product Description:** Human PTK2B full-length ORF (AAH36651.1, 1 a.a. - 1009 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MSGVSEPLSRVKLGLRRPEGPAEPMVVVPVDVEKE  
DVRILKVCFYNSFNPGKNFKLVKCTVQTEIREIITSILL  
SGRIGPNIRLAECYGLRLKHKMSDEIHWLHPQMTVGE  
VQDKYECLHVEAEWRYDLQIRYLPEDFMESLKEDRTT  
LLYFYQQLRNDYMQRYASKVSEGMALQLGCLELRFF  
KDMPHNALDKKSNFELLEKEVGLDLFFPKQMQUENLKP  
KQFRKMIQQTQQYASLREEECVMKFFNTLAGFANID  
QETYRCELIQGWNTVDLVIGPKGIRQLTSQDAKPTCL  
AEFKQIRSIRCLPLEEGQAVLQLGIEGAPQALSIKTS  
AEAENMADLIDGYCRLQGEHQGSLIHPKDGKRNLS  
PQIPMLNLEARRSHLSESCSIESDIYAEIPDETLLRPGG  
PQYGIAREDVVLNRILGEGFFGEVYEGVYTNHKGKIN  
VAVKTCKKDCTLDNKEKFMSEAVIMKNLDHPHIVKLIGII  
EEEPTWIIMELYPYGELGHYLERNNKNSLKVLTLLVLSL  
QICKAMAYLESINCVHRDIARVNLVASPECVKLGDFGL  
SRYIEDEDYYKASVTRLPIKWMSPESINFRRFTTASDV  
WMFAVCMWEILSFGKQPFFWLENKDVIGVLEKGDRLP  
KPDLCPPVLYTLMTRCWDYDPSDRPRFTLVCSLSDV  
YQMEKDIAEQERNARYRTPKILEPTAFQEPPPKPSR  
PKYRPPPQTNLLAPKLQFQVPEGLCASSPTLTSPMEY  
PSPVNSLHTPPLHRHNVFKRHSREEDFIQSSREEA  
QQLWEAEKVMRQILDKQKQMVEDYQWLRQEEKSL  
DPMVYMNKSPLTPEKEVGYLEFTGPPQKPPRLGAQ  
SIQPTANLDRDLDLVYLNVMELVRVLELKNELCQLPP  
EGYVVVVKNVGLTLRKLIGSVDDLPLSPSSSRTEIEGT  
QKLLNKDLAELINKMRLAQQNAVTSLSSECKRQMLTA  
SHTLAMDAKNLLDAVDQAKVLANLAHPPAE

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

**Theoretical MW (kDa):** 142.3

**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:** 2185

**Gene Symbol:** PTK2B

**Gene Alias:** CADTK, CAKB, FADK2, FAK2, FRNK, PKB, PTK, PYK2, RAFTK

**Gene Summary:** This gene encodes a cytoplasmic protein tyrosine kinase which is involved in calcium-induced regulation of ion channels and activation of the map kinase signaling pathway. The encoded protein may represent an important signaling intermediate between neuropeptide-activated receptors or neurotransmitters that increase calcium flux and the downstream signals that regulate neuronal activity. The encoded protein undergoes rapid tyrosine phosphorylation and activation in response to increases in the intracellular calcium concentration, nicotinic acetylcholine receptor activation, membrane depolarization, or protein kinase C activation. This protein has been shown to bind CRK-associated substrate, nephrocystin, GTPase regulator associated with FAK, and the SH2 domain of GRB2. The encoded protein is a member of the FAK subfamily of protein tyrosine kinases but lacks significant sequence similarity to kinases from other subfamilies. Four transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq]