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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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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
DVRILKVCFYNSFNPGKFKLVKCTVQTEIREIITSILL
SGRIGPNIRLAECYGLRLKHMKSDEIHWLHPQMTVGE
VQDKYECLHVEAEWRYDLQIRYLPEDFMESLKEDRTT
LLFYQQLRNDYMQRYASKVSEGMALQLGCLELRRFF
KDMPHNALDKKSNFELLEKEVGLDLFFPKQMENLKP
KQFRKMIQQTQQYASLREEECVMKFFNTLAGFANID
QETYRCELIQGWNTVDLVIGPKGIRQLTSQDAKPTCL
AEFKQIRSIRCLPLEEGQAVLQLGIEGAPQALSIIKTSSL
AEAENMADLIDGYCRLQGEHQGSLIIHPRKDGEKRNSL
PQIPMLNLEARRSHLSESCSIESDIYAEIPDETLRRPGG
PQYGIAREDVVLNRILGEGFFGEVYEGVYTNHKGEKIN
VAVKTCKKDCTLDNKEKFMSEAVIMKNLDHPHIVKLIGII
EEEPTWIIMELYPYGELGHYLRNKNLSKVLTLVLYSL
QICKAMAYLESINCVHRDIAVRNILVASPECVKLGDVGL
SRYIEDYKASVTRLPKIKWMSPEINFRFTTASDV
WMFAVCMWEILSFGKQPFVLENKDVIGVLEKGDRLP
KPDLCPPVLYTLMTRCWDYDPSDRPRFTELVCSLSDV
YQMEKDIAMEQERNARYRTPKILEPTAFQEPPPKPSR
PKYRPPPQTNLLAPKLFQVPEGLCASSPTLTSPMEY
PSPVNSLHTPPLHRHNVFKRHSREEDFIQPSSREEA
QQLWEAEKVKMRQILDKQKQMVEDYQWLRQEEKSL
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]