

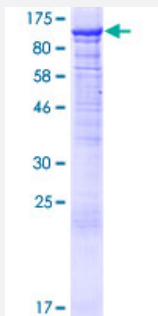
Full-Length

PI4KB (Human) Recombinant Protein (P01)

Catalog # H00005298-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human PI4KB full-length ORF (NP_002642.1, 1 a.a. - 828 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MRFLEARSLAVAMGDTVVEPAPLKPTSEPTSGPPGNNGGSLLSVITEGVGELSVIDPEVAQKAC
QEVLEKVKLLHGGVAVSSRGTPLELVNGDGVDSERCLDDPPAQIEEEDEMGA AVASGTAKGA
RRRRQNNSAKQSWLLRLFESKLFDISMAISYL YNSKEPGVQAYIGNRLFCFRNEDVDFYLPQLLNM
YHMDDEDVGDAIKPYVHRCRQSINFSLQCALLLGAYSSDMHISTQRHSRGTKLRKLILSDELKPAHR
KRELPSLSPAPDTGLSPSKRTHQRSKSDATASISLSSNLKRTASNPKVENEDEELSSSTESIDNS
FSSPVRLAPEREFIKSLMAIGKRLATLPTKEQKTQRLISELSLLNHKLPARVWLPTAGFDHHVVRV
PHTQAVVLNSKDKAPYLIYVEVLECENFDTTSPARIPENRIRSTRSVENLPECGITHEQRAGSFST
VPNYDNDDEAWSVDDIGELQVELPEVHTNSCDNISQFSVDSITSQESKEPVFIAAGDIRRRLSEQL
AHTPTAFKRDPEDPSAVALKEPWQEKVRRIREGSPYGHLPNWRLSVVKCGDDL RQELLAFQV
LKQLQSIWEQERVPLWIKPYKILVISADSGMIEPVVNAVSIHQVKKQSQLSLLDYFLQEHGSYTTEA
FLSAQRNFVQSCAGYCLVCYLLQVKDRHNGNILLDAEGHIIHIDFGFILSSSPRNLGFETSAFKLTTE
FVDVMGGLDGDMFNYYKMLMLQGLIAARKHMDKV VQVEIMQQGSQLPCFHGSSTIRNLKERFHM
SMTEEQQLQLLVEQMVDGSMRSITTKLYDGFQYLTNGIM

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

119.1

Interspecies Antigen Sequence

Mouse (97); Rat (98)

Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
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.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — PI4KB

Entrez GeneID	5298
GeneBank Accession#	NM_002651.1
Protein Accession#	NP_002642.1
Gene Name	PI4KB
Gene Alias	PI4K-BETA, PI4KIIIbeta, PI4Kbeta, PIK4CB, pi4K92
Gene Description	phosphatidylinositol 4-kinase, catalytic, beta
Omim ID	602758
Gene Ontology	Hyperlink
Gene Summary	catalytic
Other Designations	OTTHUMP00000014284 phosphatidylinositol 4-kinase, catalytic, beta polypeptide type III phosphatidylinositol 4-kinase beta

Pathway

- [Inositol phosphate metabolism](#)
- [Metabolic pathways](#)
- [Phosphatidylinositol signaling system](#)

Disease

- [Alzheimer disease](#)
- [Cerebral Amyloid Angiopathy](#)
- [Genetic Predisposition to Disease](#)
- [Neuroblastoma](#)