

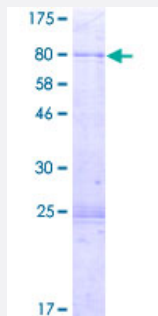
Full-Length

PI4K2A (Human) Recombinant Protein (P01)

Catalog # H00055361-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human PI4K2A full-length ORF (NP_060895.1, 1 a.a. - 479 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MDETSPLVSPERAQPPDYTFPSGSGAHFPQVPGGAVRVAAAAGSGSPSPGSGHDERERQPLL
DRARGAAAQGGTQTVAQAQALAAQAAAAAHAQAHRERNEFPEDPEFEAVVRQAELAIERCIF
PERIYQGSSGSYFVKDPQGRIIAVFKPKNEEPYGHLPKWKWLQKLCCPCCFGRDCLVLNQGYL
SEAGASLVDQKLELNVPRTKVYLASETFNYSIDRVKSRGKRLALEKVPKVGQRFNRIGLPPKV
GSFQLFVEGYKDADYWLRRFEAEPLPENTNRQLLLQFERLVLDYIIRNTDRGNDNWLKYDCPMD
SSSRDTDWVVKEPVIKVAIDNGLAFPLKHPDSWRAYPFYWAWLPQAKVPFSQEIKDLILPKIS
DPNFVKDLEEDLYELFKKDPGFDRGQFHKQIAVMRGQILNLTQALKDNKSPLHLVQMPPVIVETA
RSHQRSSSESYSYTSFQSRKPFFSWW

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

80.4

Interspecies Antigen Sequence

Mouse (95); Rat (94)

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 — PI4K2A

Entrez GeneID	55361
GeneBank Accession#	NM_018425.2
Protein Accession#	NP_060895.1
Gene Name	PI4K2A
Gene Alias	DKFZp761G1923, PI4KII, PIK42A, RP11-548K23.6
Gene Description	phosphatidylinositol 4-kinase type 2 alpha
Omim ID	609763
Gene Ontology	Hyperlink
Gene Summary	Phosphatidylinositolpolyphosphates (PtdInsPs) are centrally involved in many biologic processes, ranging from cell growth and organization of the actin cytoskeleton to endo- and exocytosis. PI4KII phosphorylates PtdIns at the D-4 position, an essential step in the biosynthesis of PtdInsPs (Barylko et al., 2001 [PubMed 11244087]).[supplied by OMIM]
Other Designations	OTTHUMP00000020224 phosphatidylinositol 4-kinase type II (PI4KII)

Disease

- [Alzheimer Disease](#)
- [Genetic Predisposition to Disease](#)