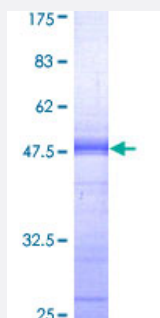


PKN1 (Human) Recombinant Protein (Q01)

Catalog # H00005585-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human PKN1 partial ORF (AAH40061, 462 a.a. - 615 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	LDMEPQGCLVAEVTFRNPVIERIPRLRRQKKIFSKQQGKAFQRRARQMNDVATWVRLRLRLIPNAT GTGTFSPGASPGSEARTTGDISVEKLNLTGSDSSPQKSSRDPPSSPSSLSSPIQESTAPELPSE TQETPGPALCSPLRKSPLTLEDF
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	42.57
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 — PKN1

Entrez GeneID [5585](#)

GeneBank Accession# [BC040061](#)

Protein Accession# [AAH40061](#)

Gene Name PKN1

Gene Alias DBK, MGC46204, PAK1, PKN, PKN-ALPHA, PRK1, PRKCL1

Gene Description protein kinase N1

Omim ID [601032](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene belongs to the protein kinase C superfamily. This kinase is activated by Rho family of small G proteins and may mediate the Rho-dependent signaling pathway. This kinase can be activated by phospholipids and by limited proteolysis. The 3-phosphoinositide dependent protein kinase-1 (PDPK1/PDK1) is reported to phosphorylate this kinase, which may mediate insulin signals to the actin cytoskeleton. The proteolytic activation of this kinase by caspase-3 or related proteases during apoptosis suggests its role in signal transduction related to apoptosis. Alternatively spliced transcript variants encoding distinct isoforms have been observed. [provided by RefSeq]

Other Designations protein kinase C-like 1|protein kinase C-like PKN|protein kinase C-related kinase 1|serine-threonine kinase N|serine/threonine protein kinase N

Disease

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- [Diabetes Mellitus](#)
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