

Recombinant Human PDPK1 Protein (Lys83-Ala338), His tagged

Cat. No. PDPK1-3162H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human PDPK1 (Lys83-Ala338) protein fused with His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Lys83-Ala338
Description	Enables 3-phosphoinositide-dependent protein kinase activity; phospholipase activator activity; and phospholipase binding activity. Involved in several processes, including cell surface receptor signaling pathway; regulation of protein kinase activity; and regulation of signal transduction. Acts upstream of or within intracellular signal transduction. Located in cell projection; cytosol; and plasma membrane. Implicated in prostate cancer. Biomarker of lung non-small cell carcinoma.
Molecular Mass	15.89 kDa
Purity	>90 % as determined by SDS-PAGE.
Notes	For research use only.
Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

	date of receipt.
Storage Buffer	Supplied as solution form in PBS pH 7.5 or lyophilized from PBS pH 7.5.
Reconstitution	Reconstitute in sterile water for a stock solution.
Shipping	In general, proteins are provided as lyophilized powder/frozen liquid. They are shipped out with dry ice/blue ice unless customers require otherwise.
GENE INFORMATION	
Gene Name	PDPK1 3-phosphoinositide dependent protein kinase 1 [Homo sapiens (human)]
Official Symbol	PDPK1
Synonyms	PDPK1; 3-phosphoinositide dependent protein kinase 1; PDK1; PDPK2; PDPK2P; PRO0461; 3-phosphoinositide-dependent protein kinase 1; 3-phosphoinositide-dependent protein kinase 2 pseudogene; PkB kinase like gene 1; Putative 3-phosphoinositide-dependent protein kinase 2; EC 2.7.11.1
Gene ID	5170
mRNA Refseq	NM_002613
Protein Refseq	NP_002604
MIM	605213
UniProt ID	O15530

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