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

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	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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