

Recombinant Human PDPK1, His-tagged

Cat. No. PDPK1-1626H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human PDPK1 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	198-556aa
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15% glycerol.

GENE INFORMATION

Gene Name	PDPK1 3-phosphoinositide dependent protein kinase-1 [Homo sapiens]
Official Symbol	PDPK1
Synonyms	PDPK1; 3-phosphoinositide dependent protein kinase-1; 3-phosphoinositide-dependent protein kinase 1; PDK1; PkB kinase; PkB-like 1; PkB kinase like gene 1; PRO0461; MGC20087; MGC35290;

 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

Gene ID	5170
mRNA Refseq	NM_002613
Protein Refseq	NP_002604
MIM	605213
UniProt ID	O15530
Chromosome Location	16p13.3
Pathway	Activation of NMDA receptor upon glutamate binding and postsynaptic events, organism-specific biosystem; Activation of PKB, organism-specific biosystem; Adaptive Immune System, organism-specific biosystem; Aldosterone-regulated sodium reabsorption, organism-specific biosystem; Aldosterone-regulated sodium reabsorption, conserved biosystem; B Cell Receptor Signaling Pathway, organism-specific biosystem; BCR signaling pathway, organism-specific biosystem;
Function	3-phosphoinositide-dependent protein kinase activity; ATP binding; insulin receptor binding; kinase activity; nucleotide binding; protein binding; protein kinase binding; protein serine/threonine kinase activity; protein serine/threonine kinase activity;

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