Recombinant Human PDPK1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PDPK1-4825H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PDPK1 MS Standard C13 and N15-labeled recombinant protein (NP_112558) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	PDPK1 (3-Phosphoinositide Dependent Protein Kinase 1) is a Protein Coding gene. Diseases associated with PDPK1 include Endometrial Cancer and Lung Cancer. Among its related pathways are Common Cytokine Receptor Gamma-Chain Family Signaling Pathways and NGF Pathway. Gene Ontology (GO) annotations related to this gene include transferase activity, transferring phosphorus-containing groups and protein tyrosine kinase activity. An important paralog of this gene is AKT2.
Molecular Mass	48.2 kDa
AA Sequence	MARTTSQLYDAVPIQSSVVLCSCPSPSMVRTQTESSTPPGIPGGSRQGPAMDGTAA EPRPGAGSLQHAQPPPQPRKKRPEDFKFGKILGEGSFSTVVLARELATSREYATRA NSFVGTAQYVSPELLTEKSACKSSDLWALGCIIYQLVAGLPPFRAGNEYLIFQKIIKLE YDFPEKFFPKARDLVEKLLVLDATKRLGCEEMEGYGPLKAHPFFESVTWENLHQQT PPKLTAYLPAMSEDDEDCYGNYDNLLSQFGCMQVSSSSSSHSLSASDTGLPQRSG SNIEQYIHDLDSNSFELDLQFSEDEKRLLLEKQAGGNPWHQFVENNLILKMGPVDKR KGLFARRRQLLLTEGPHLYYVDPVNKVLKGEIPWSQELRPEAKNFKTFFVHTPNRTY

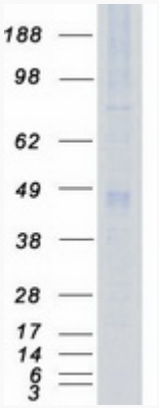
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	YLMDPSGNAHKWCRKIQEVWRQRYQSHPDAAVQTRTRPLEQKLISEEDLAANDILD YKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 μg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

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; 3-phosphoinositide-dependent protein kinase 1; PDK1; PkB kinase; PkB-like 1; PkB kinase like gene 1; PRO0461; MGC20087; MGC35290;
Gene ID	5170
mRNA Refseq	NM_031268
Protein Refseq	NP_112558
MIM	605213

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UniProt ID	O15530
SDS-PAGE	

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