

Recombinant Human PDPK1 protein, GST-tagged

Cat. No. PDPK1-1866H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PDPK1 protein(198-556 aa), fused to GST tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	198-556 aa
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 100mM GSH.
AA Sequence	GKGIIHRDLKPENILLNEDMHIQITDFGTAKVLSPESKQARANSFVGTAQYVSPELLTE KSACKSSDLWALGCIIYQLVAGLPPFRAGNEYLIFQKIIKLEYDFPEKFFPKARDLVEK LLVLDA TKRLGCEEMEGYGPLKAHPFFESVTWENLHQQTTPPKLTAYLPAMSEDD CYGNYDNLLSQFGCMQVSSSSSSHSLSASDTGLPQRSGSNIEQYIHDLSNSFELD LQFSEDEKRLLEKQAGGNPWHQFVENNLILKMGPVDRKRGKFARRRQLLLTEGPH LYYVDPVNKVLKGEIPWSQELRPEAKNFKTFFVHTPNRTYYLMDPSGNAHKWCRKI QEVWRQRYQSHPDAAVQ
Purity	90%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer

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containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.

Reconstitution

Reconstitute at 0.25 $\mu\text{g}/\mu\text{l}$ in 200 μl sterile water for short-term storage.
Reconstitution with 200 μl 50% glycerol solution is recommended for longer term storage.

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;

Gene ID 5170

mRNA Refseq NM_002613

Protein Refseq NP_002604

MIM 605213

UniProt ID O15530

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