

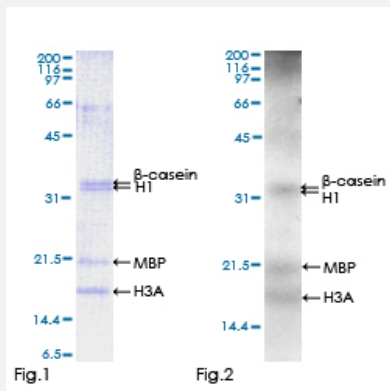
Full-Length

PDPK1 (Human) Recombinant Protein (P01)

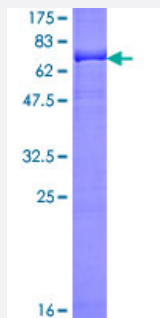
Catalog # H00005170-P01

Size 25 ug, 10 ug

Applications



Kinase Assay



Specification

Product Description

Human PDPK1 full-length ORF (AAH33494.1, 1 a.a. - 429 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MARTTSQLYDAVPIQSSVVLCSPPSMVVRTQTESSTPPGIPGGSRRQGPAMDGTAAEPRPGAGS
LQHAQPPPQPRKKRPEDFKFGKILGEGSFSTVVLARELATSREYATRANSFVGTAQYVSPPELLTE
KSACKSSDLWALGCIIYQLVAGLPPFRAGNEYLIFQKIIKLEYDFPEKFFPKARDLVEKLLVLDATKR
LGCEEMEGYGPLKAHPFFESVTWENLHQQTTPPKLTAYLPAMSEDDDCYGNYNLLSQFGCMQ
VSSSSSSSHLSASDTGLPQRSGSNIEQYIHDLSNSFELDLQFSEDEKRLLEKQAGGNPWHQF
VENNLILKMGPVDKRGKLFARRRQLLLTEGPHLYYDPVNKVLKGEIPWSQELRPEAKNFKTFFV
HTPNRTYYLMDPSGNAHKWCRKIQEVWRQRYQSHPDAAVQ

Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	72.82
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Kinase Assay
[Protocol Download](#)
- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — PDPK1

Entrez GeneID	5170
GeneBank Accession#	BC033494
Protein Accession#	AAH33494.1
Gene Name	PDPK1
Gene Alias	MGC20087, MGC35290, PDK1, PRO0461
Gene Description	3-phosphoinositide dependent protein kinase-1

Omim ID	605213
Gene Ontology	Hyperlink
Other Designations	PkB kinase like gene 1 PkB-like 1 protein kinase

Pathway

- [Endometrial cancer](#)
- [Focal adhesion](#)
- [Insulin signaling pathway](#)
- [mTOR signaling pathway](#)
- [Non-small cell lung cancer](#)
- [PPAR signaling pathway](#)
- [Prostate cancer](#)

Disease

- [Adenocarcinoma](#)
- [Thyroid Neoplasms](#)