

## Product datasheet

# Recombinant Human PDK1 protein ab86986

2 Images

### Description

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**Product name** Recombinant Human PDK1 protein

**Purity** > 95 % SDS-PAGE.

**Expression system** Escherichia coli

**Protein length** Full length protein

**Animal free** No

**Nature** Recombinant

**Species** Human

**Sequence** MGSSHHHHHH SSGLVPRGSH MSSDSGSSPA  
SERGVPGQVD FYARFSPSPL SMKQFLDFGS  
VNACEKTSFM FLRQELPVRL ANIMKEISLL PDNLLRTPSV  
QLVQSWYIQS LQELLDKDK SAEDAKAYD FTDTVIRRN  
RHNDVIPTMA QGVIEYKESF GVDPVTSQNV  
QYFLDRFYMS RISIRMLLNQ HSLFFGGK GK GSPSHRKHIG  
SINPNCNVLE VIKDGYENAR RLCDLYINS PELELEELNA  
KSPGQPIQVV YVPSHLYHMV FELFKNAMRA  
TMEHHANRGV YPPIQVHVTG GNEDLTVKMS  
DRGGVPLRK IDRLFNYMYS TAPRPRVETS  
RAVPLAGFGY GLPISRLYAQ YFQGDLKLYS LEGYGTDAVI  
YKALSTDSI ERLPVYNKAA WKHYNTNHEA  
DDWCVPSREP KDMTFRSA

### Specifications

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Our **Abpromise guarantee** covers the use of **ab86986** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

**Applications** SDS-PAGE

Western blot

**Form** Liquid

**Additional notes** This product was previously labelled as Mitochondrial Pyruvate dehydrogenase kinase 1

## Preparation and Storage

### Stability and Storage

Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

pH: 7.00

Constituents: 0.00174% PMSF, 0.0095% Magnesium chloride, 0.0077% DTT, 0.316% Tris HCl, 0.00292% EDTA, 40% Glycerol, 0.58% Sodium chloride

## General Info

### Function

Inhibits the mitochondrial pyruvate dehydrogenase complex by phosphorylation of the E1 alpha subunit, thus contributing to the regulation of glucose metabolism.

### Tissue specificity

Expressed predominantly in the heart.

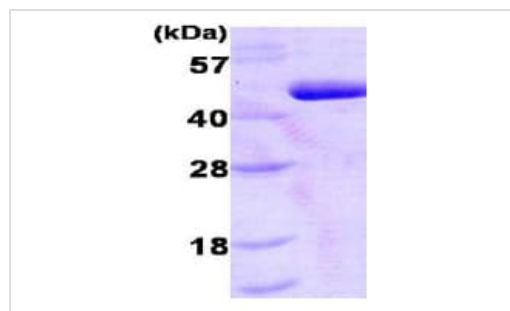
### Sequence similarities

Belongs to the PDK/BCKDK protein kinase family.  
Contains 1 histidine kinase domain.

### Cellular localization

Mitochondrion matrix.

## Images



SDS-PAGE - Recombinant Human PDK1 protein (ab86986)

15% SDS-PAGE showing ab86986 at approximately 48.6kDa (3µg).



Western blot - Recombinant Human PDK1 protein (ab86986)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- Replacement or refund for products not performing as stated on the datasheet
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- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
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