

Product datasheet

Recombinant Human Mitochondrial Pyruvate dehydrogenase kinase 1 protein ab86986

1 Image

Overview

Product name	Recombinant Human Mitochondrial Pyruvate dehydrogenase kinase 1 protein
Protein length	Full length protein

Description

Nature	Recombinant
Source	Escherichia coli

Amino Acid Sequence

Species	Human
Sequence	<p>MGSSHHHHHH SSGLVPRGSH MSSDSGSSPA SERGVPGQVD FYARFSPSPL SMKQFLDFGS VNACEKTSFM FLRQELPVRL ANIMKEISLL PDNLLRTPSV QLVQSWYQS LQELDFKDK SAEDAKAYD FTDTVIRIRN RHNDVIPTMA QGVIEYKESF GVDPVTSQNV QYFLDRFYMS RISIRMLLNQ HSLLFGGK GK GSPSHRKHIG SINPNCNVLE VIKDGYENAR RLCDL YINS PELELEELNA KSPGQPIQVV YVPSHLYHMV FELFKNAMRA TMEHHANRGV YPPIQVHVTL GNEDLTVKMS DRGGGVPLRK IDRLFNYMYS TAPRPRVETS RAVPLAGFGY GLPISRLYAQ YFQGDLKLYS LEGYGTDAVI YIKALSTDSI ERLPVYNKAA WKHYNTNHEA DDWCVPSREP KDMTTFRSA</p>

Specifications

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

Purity > 95 % SDS-PAGE.

Form Liquid

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.

Preservative: None

Constituents: 40% Glycerol, 20mM Tris HCl, 100mM Sodium chloride, 1mM Magnesium chloride, 0.5mM DTT, 0.1mM PMSF, 0.1mM EDTA, pH 7.0

General Info

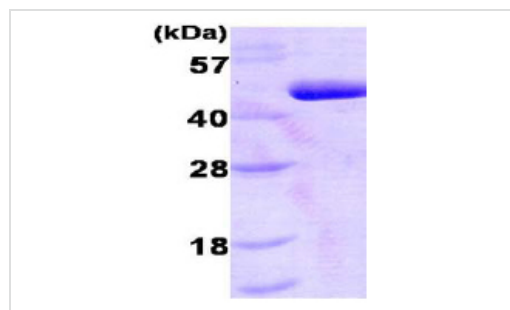
Function Inhibits the mitochondrial pyruvate dehydrogenase complex by phosphorylation of the E1 alpha subunit, thus contributing to the regulation of glucose metabolism.

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



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

SDS-PAGE - Pyruvate dehydrogenase kinase 1 protein (His tag) (ab86986)

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