

# Recombinant human PDK3 protein ab125606

[5 Images](#)

## Description

<b>Product name</b>	Recombinant human PDK3 protein
<b>Biological activity</b>	The specific activity of ab125606 was determined to be 12 nmol/mg/min.
<b>Purity</b>	> 90 % Densitometry. Purity determined to be >90% by densitometry. Affinity purified. Purity is lot specific. Please contact our technical Support team for details.
<b>Expression system</b>	Baculovirus infected Sf9 cells
<b>Accession</b>	<b><u>Q15120</u></b>
<b>Protein length</b>	Full length protein
<b>Animal free</b>	No
<b>Nature</b>	Recombinant
<b>Species</b>	Human
<b>Predicted molecular weight</b>	69 kDa including tags
<b>Amino acids</b>	1 to 406
<b>Tags</b>	GST tag N-Terminus

## Specifications

Our **Abpromise guarantee** covers the use of **ab125606** in the following tested applications.

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

<b>Applications</b>	Western blot Functional Studies SDS-PAGE
<b>Form</b>	Liquid
<b>Additional notes</b>	<b><u>ab125602</u></b> (Human Pyruvate Dehydrogenase E1- $\alpha$ subunit full length protein) can be utilized as a substrate for assessing Kinase activity

## Preparation and Storage

<b>Stability and Storage</b>	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 7.50
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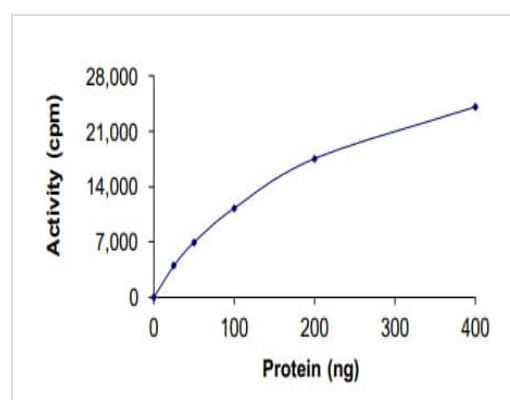
Constituents: 0.31% Glutathione, 0.002% PMSF, 0.004% DTT, 0.79% Tris HCl, 0.003% EDTA, 25% Glycerol (glycerin, glycerine), 0.88% Sodium chloride

This product is an active protein and may elicit a biological response in vivo, handle with caution.

## General Info

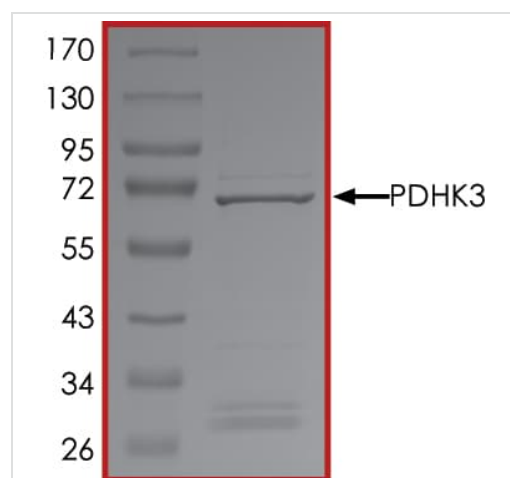
<b>Function</b>	Inhibits the mitochondrial pyruvate dehydrogenase complex by phosphorylation of the E1 alpha subunit, thus contributing to the regulation of glucose metabolism.
<b>Tissue specificity</b>	Found almost exclusively in heart and skeletal muscle.
<b>Sequence similarities</b>	Belongs to the PDK/BCKDK protein kinase family. Contains 1 histidine kinase domain.
<b>Cellular localization</b>	Mitochondrion matrix.

## Images



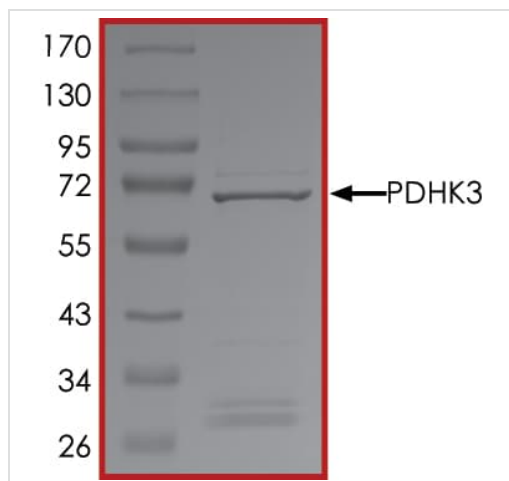
The specific activity of PDK3 (ab125606) was determined to be 11 nmol/min/mg as per activity assay protocol

Functional Studies - Recombinant human PDK3 protein (ab125606)



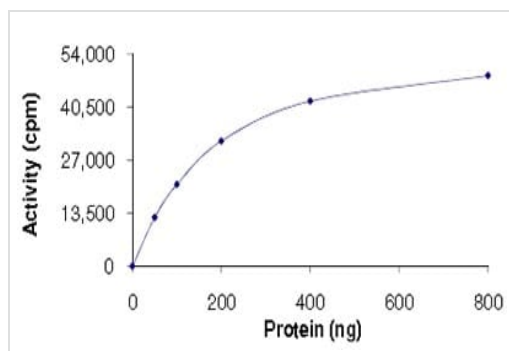
SDS PAGE analysis of ab125606

SDS-PAGE - Recombinant human PDK3 protein (ab125606)



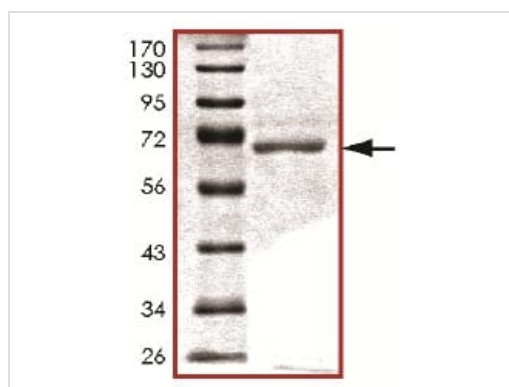
SDS-PAGE - Recombinant human PDK3 protein  
(ab125606)

SDS PAGE analysis of ab125606



Functional Studies - Recombinant human PDK3  
protein (ab125606)

The specific activity of ab125606 was determined to be 12  
nmol/mg/min by Kinase Assay.



SDS-PAGE - Recombinant human PDK3 protein  
(ab125606)

SDS-PAGE analysis of ab125606.

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

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