

## Product datasheet

# Recombinant Human PDK2 protein ab110354

### 概述

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产品名称	重组人PDK2蛋白
蛋白长度	Full length protein

### 描述

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性质	Recombinant
来源	Escherichia coli
氨基酸序列	
Accession	<a href="#">Q15119</a>
种属	Human
氨基酸	16 to 407
标签	His tag N-Terminus

### 技术指标

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Our [Abpromise guarantee](#) covers the use of **ab110354** in the following tested applications.

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

应用	Sandwich ELISA Functional Studies
纯度	> 90 % Purified via His tag.

形式	Liquid
补充说明	PDH Kinases (PDKs) deactivate PDH by reversible phosphorylation. In humans and rodents, 4 PDK's are present in an organ-dependent manner. In all cases, PDK's are physically part of the PDH complex (binding via lipoyl domain 2 of E2), and they phosphorylate the E1 subunit at 3 specific serine residues. PDH phosphatases remove the phosphorylation and restore activity of PDH.  Product was previously marketed under the MitoSciences sub-brand.

### 制备和贮存

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稳定性和存储	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.
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pH: 7.50

Constituents: 0.08% DTT, 0.14% Sodium phosphate, 1.46% Sodium chloride, 30% Glycerol, 0.015% EDTA, 0.05% Triton-X-100

## 常规信息

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<b>功能</b>	Inhibits the mitochondrial pyruvate dehydrogenase complex by phosphorylation of the E1 alpha subunit, thus contributing to the regulation of glucose metabolism.
<b>组织特异性</b>	Expressed in many tissues, with the highest level in heart and skeletal muscle, intermediate levels in brain, kidney, pancreas and liver, and low levels in placenta and lung.
<b>序列相似性</b>	Belongs to the PDK/BCKDK protein kinase family. Contains 1 histidine kinase domain.
<b>细胞定位</b>	Mitochondrion matrix.

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**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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- Response to your inquiry within 24 hours
  
- We provide support in Chinese, English, French, German, Japanese and Spanish
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