

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

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|-----------|------------------------|
| Accession | Q15119 |
| 种属 | Human |
| 氨基酸 | 16 to 407 |
| 标签 | His tag N-Terminus |

技术指标

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.

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

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| 形式 | Liquid |
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| 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. |
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制备和贮存

稳定性和存储

Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.

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

功能

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

组织特异性

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.

序列相似性

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

细胞定位

Mitochondrion matrix.

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