

Product datasheet

Recombinant Human PDK2 protein ab110354

概述

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

描述

性质	Recombinant
来源	Escherichia coli

氨基酸序列

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.

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

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.

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

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- Replacement or refund for products not performing as stated on the datasheet
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