abcam

Product datasheet

Recombinant human Hexokinase II protein (His tag) ab85920

1 图像

描述

产品名称 重组人Hexokinase II蛋白(His tag)

生物活性 Specific activity is 3-4 units/ml obtained by measuring the increase of NADPH in absorbance at

> 340 nm resulting from the reduction of NADP. In the coupled mode, one unit will produce 1.0 umole of NADPH per minute as glucose is phosphorylated by ATP at pH 7.4 at 30C. Specific activity is 3-4 units/ml obtained by measuring the increase of NADPH in absorbance at 340 nm resulting from the reduction of NADP. In the coupled mode, one unit will produce 1.0 umole of

NADPH per minute as glucose is phosphorylated by ATP at pH 7.4 at 30C.

纯度 > 95 % SDS-PAGE.

ab85920 is prified using conventional chromatography techniques.

表达系统 Escherichia coli

Accession P52789

蛋白长度 Full length protein

无动物成分 No

性质 Recombinant

种属 Human

MGSSHHHHHH SSGLVPRGSH MIASHLLAYF 序列

> FTELNHDQVQ KVDQYLYHMR LSDETLLEIS KRFRKEMEKG LGATTHPTAA VKMLPTFVRS

TPDGTEHGEF LALDLGGTNF RVLWVKVTDN

GLQKVEMENQ IYAIPEDIMR GSGTQLFDHI

AECLANFMDK LQIKDKKLPL GFTFSFPCHQ

TKLDESFLVS WTKGFKSSGV EGRDVVALIR

KAIQRRGDFD IDIVAVVNDT VGTMMTCGYD

DHNCEIGLIV GTGSNACYME EMRHIDMVEG

DEGRMCINME WGAFGDDGSL NDIRTEFDQE

IDMGSLNPGK QLFEKMISGM YMGELVRLIL

VKMAKEELLF GGKLSPELLN TGRFETKDIS

DIEGEKDGIR KAREVLMRLG LDPTQEDCVA

THRICQIVST RSASLCAATL AAVLQRIKEN

KGEERLRSTI GVDGSVYKKH PHFAKRLHKT

VRRLVPGCDV RFLRSEDGSG KGAAMVTAVA

YRLADQHRAR QKTLEHLQLS HDQLLEVKRR

MKVEMERGLS KETHASAPVK MLPTYVCATP

DGTEKGDFLA LDLGGTNFRV LLVRVRNGKW

GGVEMHNKIY AIPQEVMHGT GDELFDHIVQ
CIADFLEYMG MKGVSLPLGF TFSFPCQQNS
LDESILLKWT KGFKASGCEG EDVVTLLKEA
IHRREEFDLD VVAVVNDTVG TMMTCGFEDP
HCEVGLIVGT GSNACYMEEM RNVELVEGEE
GRMCVNMEWG AFGDNGCLDD FRTEFDVAVD
ELSLNPGKQR FEKMISGMYL GEIVRNILID
FTKRGLLFRG RISERLKTRG IFETKFLSQI
ESDCLALLQV RAILQHLGLE STCDDSIIVK
EVCTVVARRA AQLCGAGMAA VVDRIRENRG
LDALKVTVGV DGTLYKLHPH FAKVMHETVK

DLAPKCDVSF LQSEDGSGKG AALITAVACR IREAGQR

预**测分子量** 102 kDa **氨基酸** 1 to 917

标签 His tag N-Terminus

技术指标

Our **Abpromise guarantee** covers the use of **ab85920** in the following tested applications.

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

应用 Functional Studies

SDS-PAGE

形式 Liquid

制备和贮存

稳定性和存储 Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.

pH: 8.00

Constituents: 0.316% Tris HCI, 10% Glycerol (glycerin, glycerine)

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

常规信息

组织**特异性** Predominant hexokinase isozyme expressed in insulin-responsive tissues such as skeletal

muscle.

通路 Carbohydrate metabolism; hexose metabolism.

序列相似性 Belongs to the hexokinase family.

Contains 2 hexokinase domains.

结**构域** The N- and C-terminal halves of this hexokinase show extensive sequence similarity to each

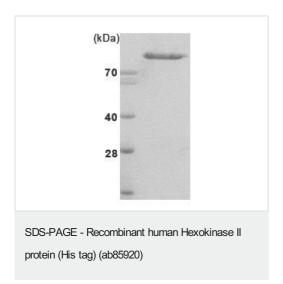
other. The catalytic activity is associated with the C-terminus while regulatory function is

associated with the N-terminus. Each domain can bind a single glucose and Gluc-6-P molecule.

细胞定位 Mitochondrion outer membrane. Its hydrophobic N-terminal sequence may be involved in

membrane binding.

1551 11



12% SDS-PAGE showing ab85920 at approximately 104.1kDa.

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