

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	<u>P52789</u>	
蛋白长度	Full length protein	
无动物成分	No	
性质	Recombinant	
种属	Human	
序列	MGSSHHHHHH SSGLVPRGSH MIASHLLAYF FTELNHDQVQ KVDQYLYHMR LSDETLLEIS KRFRKEMEGK LGATTHPTAA VKMLPTFVRS TPDGTEHGEF LALDLGGTNF RVLWVKVTDN GLQKVEMENQ IYAIPEDIMR GSGTQLFDHI AECLANFMDK LQIKDKKLPL GFTFSFPCHQ TKLDESFLVS WTKGFKSSGV EGRDVVALIR KAIQRRGDFD IDIVAVVNDT VGTMMTCGYD DHNCEIGLIV GTGSNACYME EMRHIDMVEG DEGRMCINME WGAFGDDGSL NDIRTEFDQE IDMGSLNPGK QLF EK MISGM YMGELVRLIL VKMAKEELLF GGKLSPELLN TGRFETKDIS DIEGEKDGIR KAREVLMRLG LDPTQEDCVA THRICQIVST RSASLCAATL AAVLQRIKEN KGEERLRSTI GVDGSVYKKH PHFAKRLHKT VRRLLVPGCDV RFLRSEDGSG KGAAMVTAVA YRLADQHRAR QKTLEHLQLS HDQLLEV KRR 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 VVDRIENRG
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 HCl, 10% Glycerol (glycerin, glycerine) This product is an active protein and may elicit a biological response in vivo, handle with caution.
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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.



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

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