

Product datasheet

Recombinant human Hexokinase 1 protein ab85918

2 图像

概述

产品名称	重组人Hexokinase 1蛋白
蛋白长度	Full length protein

描述

性质	Recombinant
来源	Escherichia coli

氨基酸序列

种属	Human
序列	<p>MGSSHHHHHH SGLVPRGSH MIAAQLLAYY FTELKDDQVK KIDKYLAMR LSDETLIDIM TRFRKEMKNG LSRDFNPTAT VKMLPTFVRS IPDGSEKGF IALDLGGSSF RILRVQVNHE KNQNVHMESE VYDTPENIVH GSGSQLFDHV AECLGDFMEK RKIKDKKLPV GFTFSFPCQQ SKIDEAILIT WTKRFKASGV EGADVVKLLN KAIKKRGDYG ANIVAVVNDT VGTMMTCGYD DQHCEVGLII GTGTNACYME ELRHIDLVEG DEGRMCINTE WGAFGDDGSL EDIRTEFDRE IDRGS LNPGK QLF EK MVSGM YLGELVRLIL VKMAKEGLLF EGRITPELLT RGKFNTSDVS AIEKNKEGLH NAKEILTRLG VEPSDDDCVS VQHVCTIVSF RSANLVAATL GAILNRLRDN KGTPRLRTTV GVDGS LYKTH PQYSRRFHKT LRR LVPDSV RFL LSESGS KGAAMVTAVA YRLAEQHRQI EETLAHFHLT KDMLLEVKKR MRAEMELGLR KQTHNNAVVK MLPSFVR RTP DGTENGDFLA LDLGGTNFRV LLVKIRSGKK RTVEMHNKIY APIEIMQGT GEELFDHIVS CISDFLDYMG IKGPRMPLGF TFSFPCQQTS LDAGILITWT KGFKATDCVG HDVVTL LRDA IKRREEFDLD VVAVVNDTVG TMMTCAYEEP TCEVGLIVGT GSNACYMEEM KNVEMVEGDQ GQMCINMEWG AFGDNGCLDD IRTHYDRLVD EYSLNAGKQR YEKMISGMYL GEIVRNILID</p>

FTKKGFLFRG QISETLKTRG IFETKFLSQI
ESDRLLALLQV RAILQQLGLN STCDDSilV
TVCGVVSRRRA AQLCGAGMAA VVDKIRENRG
LDRLNVTGV DGTLYKLHPH FSRIMHQTvk
ELSPKCNVSF LLEDGSGKG AALITAVGVR LRTEASS

氨基酸 1 to 917
标签 His tag N-Terminus

技术指标

Our [Abpromise guarantee](#) covers the use of **ab85918** in the following tested applications.

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

生物活性 Specific activity is >2 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 25C.

应用 Functional Studies
SDS-PAGE
Western blot

纯度 > 90 % SDS-PAGE.
ab85918 is purified using conventional chromatography techniques.

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 or -80°C. Avoid repeated freeze / thaw cycles.

Preservative: None
Constituents: 10% Glycerol, 20mM Tris HCl, pH 8.0

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 Isoform 2 is erythrocyte specific. Isoform 3 and isoform 4 are testis-specific.

通路 Carbohydrate metabolism; hexose metabolism.

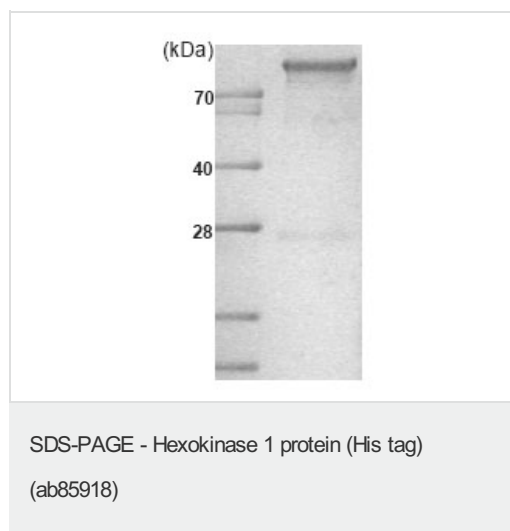
疾病相关 Hexokinase deficiency
Neuropathy, hereditary motor and sensory, Russe type

序列相似性 Belongs to the hexokinase family.
Contains 2 hexokinase domains.

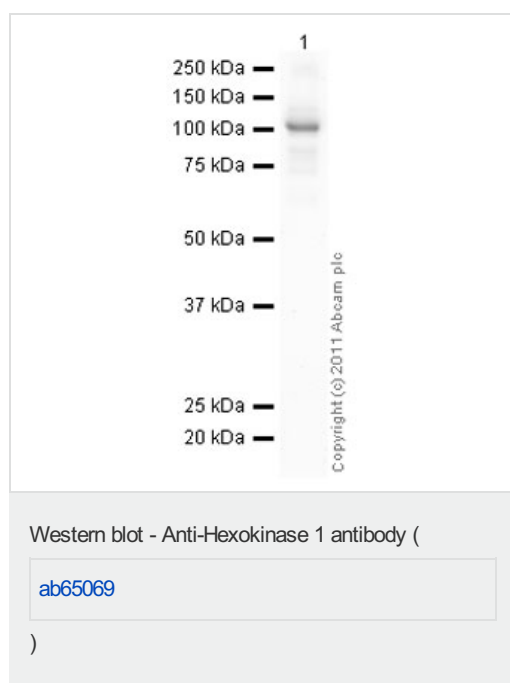
结构域 The N- and C-terminal halves of this hexokinase show extensive sequence similarity to each other. The catalytic activity is associated with the C-terminus while regulatory function is associated with the N-terminus. Each domain can bind a single glucose and Gluc-6-P molecule.

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

图片



12% SDS-PAGE showing ab85918 at approximately 104.6kDa.



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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <http://www.abcam.cn/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors