

本公司提供的电子版说明书仅供参考，实验请以收到的纸质手册为准。

Hexokinase 2 Human, His-tagged, Recombinant, E.coli

产品货号: TP02442

第三版

别名: Hexokinase type II, Muscle form hexokinase, HK2

描述: Hexokinase is the first enzyme in the glycolytic pathway, catalyzing the transfer of a phosphoryl group from ATP to glucose to form glucose-6-phosphate and ADP. In mammals, four distinct enzymes-types 1 to 4 hexokinases-have been identified. The enzyme is found in most cells, but there is tissue specificity for the particular type of hexokinase. Hexokinase2 is found in the skeletal muscle and includes hydrophobic N-terminal sequence capable of targeting the hexokinase to mitochondria.

配方: Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

分子量: 104.1kDa (937aa)

序列:

```
MGSSHHHHHHSSGLVPRGSHMIASHLLAYFFTELNHDQVQKVDQYLYHMRLSDETLLEISKFRFRKEMEKGLGATTHPTA
AVKMLPTFVRSTPDGTEHGFEFLALDLGGTNFRVLWVKVTDNGLQKVEMENQIYAIPEDIMRSGSTQLFDHIAECLANFM
DKLQIKDKKLPLGFTFSFPCHQTKLDESFLVSWTKGFKSSGVEGRDVVALIRKAIQRRGDFDIDIVAVVNDTVGTMTCG
YDDHNCEIGLIVGTGSNACYMEEMRHIDMVEGDEGRMCINMEWGAFGDDGSLNDIRTEFDQEIDMGSLNPGKQLFEK
MISGMYMGELVRLILVKMAKEELLFGGKLSPELLNTGRFETKDISDIEGEKDGIRKAREVLMRLGLDPTQEDCVATHRICQI
VSTRSASLCAATLAAVLQRIKENKGEERLRSTIGVDGSVYKHPHFAKRLHKTVRRLLVPGCDVRFRLRSEDGSGKGAAMVT
AVAYRLADQHRARQKTLEHLQLSHDQLLEVKRRMKVEMERGLSKETHASAPVKMLPTYVCATPDGTEKGDFLALDLGG
TNFRVLLVRVRNGKWGGVEMHNKIYAIPQEVMHGTGDELFDHIVQCIADFLEYMGMKGVSPLGFTFSFPCQQNSLDES
ILLKWTGKFKASGCEGEDVVTLLKEAHRREEFDLDVAVVNDTVGTMTCGFEDPHCEVGLIVGTGSNACYMEEMRN
VELVEGEEGRMCVNMEWGAFGDNGCLDDFRTEFDVAVDELNPGKQRFKEMISGMYLGEIVRNILIDFTKRGLLFRGRI
SERLKTRGIFETKFLSQIESDCLALLQVRAILQHLGLESTCDDSIIVKEVCTVVARAAQLCGAGMAAVVDRIENRGLDAL
KVTVGVDGTLYKLHPHFAKVMHETVKDLAPKCDVSFLQSEDGSGKGAALITAVACRIREAGQR
```

纯度: > 95% by HPLC

浓度: 1 mg/ml (determined by Bradford assay)

内毒素: <1.0 EU per 1 ug of protein (determined by LAL method)

存储: +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.