



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Datasheet

HK1 (Human) Recombinant Protein (P01)

Catalog Number: H00003098-P01

Regulation Status: For research use only (RUO)

Product Description: Human HK1 full-length ORF (AAH08730, 1 a.a. - 917 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MIAAQLLAYYFTELKDDQVKKIDKYLYAMRLSDETLIDI
MTRFRKEMKNGLSRDFNPTATVKMLPTFVRSIPDGSE
KGFIALDLGGSSFRILRVQVNHKEKNQNVHMESEVYD
TPENIVHSGSQLFDHVAECLGDFMEKRKIKDKKLPV
GFTFSFPCQQSKIDEAILITWTKRFKASGVEGADVVKLL
NKAIKKRGDYDANIVAVVNDTVGTMTCGYDDQHCEV
GLIIGTGTNACYMEELRHIDLVEGDEGRMCINTEWGAF
GDDGSLEDIRTEFDREIDRGLNPGKQLFEKMOVSGMY
LGELVRLILVKMAKEGLLFEGRITPELLTRGKFNSTSDVS
AIEKNKEGLHNAKEILTRLGVEPSDDDCVSVQHVCTIV
SFRSANLVAATLGAILNRLRDNKGTPLRRTTVGVDGSL
YKTHPQYSRRFHKTLRRLVPDSDVRFLLSESGSGKGA
AMVTAVAYRLAEQHRQIEETLAHFHLTKDMLLEVKKR
MRAEMELGLRKQTHNNNAVVKMLPSFVRRTPDGTENG
DFLALDLGGTNFRVLLVKIRSGKKRTVEMHNKIYAIPIE
MQGTGEELFDHIVSCISDFLDYMGIKGPRMPLGFTFSF
PCQQTSLDAGILITWTKGFKATDCVGHVVTLLRDAIK
RREEFDLDVVAVVNDTVGTMTCAYEPTCEVGLIVG
TGSNACYMEEMKNVEMVEGDQGMCMINMEWGAFGD
NGCLDDIRTHYDRLVDEYSLNAGKQRYEKMISGMYLG
EIVRNILIDFTKKGFLFRGQISETLKRIGIFETKFLSQIES
DRLALLQVRAILQQLGLNSTCDDSVLKVTVCGVVSRRRA
AQLCGAGMAAVVDKIRENRGLDRLNVTVGVDGTLYKL
HPHFSRIMHQTVKELSPKCNVSFLLSEDGSGKGAALIT
AVGVRLRTEASS

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 126.39

Applications: AP, Array, ELISA, WB-Re

(See our web site product page for detailed applications information)

Protocols: See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Preparation Method: [in vitro wheat germ expression system](#)

Purification: Glutathione Sepharose 4 Fast Flow

Storage Buffer: 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction: Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 3098

Gene Symbol: HK1

Gene Alias: HK1-ta, HK1-tb, HK1-tc, HKI, HXK1

Gene Summary: Hexokinases phosphorylate glucose to produce glucose-6-phosphate, the first step in most glucose metabolism pathways. This gene encodes a ubiquitous form of hexokinase which localizes to the outer membrane of mitochondria. Mutations in this gene have been associated with hemolytic anemia due to hexokinase deficiency. Alternative splicing of this gene results in five transcript variants which encode different isoforms, some of which are tissue-specific. Each isoform has a distinct N-terminus; the remainder of the protein is identical among all the isoforms. A sixth transcript variant has been described, but due to the presence of several stop codons, it is not thought to encode a protein. [provided by RefSeq]