



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Datasheet

### HK1 (Human) Recombinant Protein (P02)

**Catalog Number:** H00003098-P02

**Regulation Status:** For research use only (RUO)

**Product Description:** Human HK1 full-length ORF ( NP\_277031.1, 1 a.a. - 916 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MDCEHSLSLPCRGAEAWAWEIGIDKLYAMRLSDETLIDI  
MTRFRKEMKNGLSRDFNPTATVKMLPTFVRSIPDGSE  
KGDFIALDLGGSSFRILRVQVNHKEKNQNVHMESEVYD  
TPENIVHSGSQLFDHVAECLGDFMEKRKIKDKKLPV  
GFTFSFPCQQSKIDEAILITWTKRFKASGVEGADVVKLL  
NKAIKKRGDYDANIVAVVNDTVGTMTCGYDDQHCEV  
GLIIGTGTNACYMEELRHIDLVEGDEGRMCINTEWGA  
GDDGSLEDIRTEFDREIDRGLNPGKQLFEKVMVSGMY  
LGELVRLILVKMAKEGLLFEGRITPELLTRGKFNSTSDVS  
AIEKNKEGLHNAKEILTRLGVEPSDDDCVSVQHVCTIV  
SFRSANLVAATLGAILNRLRDNKGTPRLRTTVGVDGSL  
YKTHPQYSRRFHKTLRRLVPDSDVRFLLSESGSGKGA  
AMVTA VAYRLAEQHRQIEETLAHFHLTKDMLLEVKKR  
MRAEMELGLRKQTHNNNAVVKMLPSFVRRTPDGTENG  
DFLALDLGGTNFRVLLVKIRSGKKRTVEMHNKIYAIP  
MQGTGEELFDHIVSCISDFLDYMGIKGPRMPLGFTFSF  
PCQQTSLDAGILITWTKGFKATDCVGHVVTLLRDAIK  
RREEFDLDVVAVVNDTVGTMTCAYEPTCEVGLIVG  
TGSNACYMEEMKNVEMVEGDQGMCMINMEWGAFGD  
NGCLDDIRTHYDRLVDEYSLNAGKQRYEKMISGMYLG  
EIVRNILIDFTKKGFLFRGQISETLKTGRGIFETKFLSQ  
IESDRLALLQVRAILQQLGLNSTCDDSVLKVTVCGVVS  
RRAAQLCGAGMAAVVDKIRENRGLDRLNVTVGVDGTY  
KLHPHFSRIMHQTVKELSPKCNVSFLLSEDSGSGKGA  
ALITAVGVRLRTEASS

**Host:** Wheat Germ (in vitro)

**Theoretical MW (kDa):** 128.6

**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]