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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

HK2 (Human) Recombinant Protein (P01)

Catalog Number: H00003099-P01

Regulation Status: For research use only (RUO)

Product Description: Human HK2 full-length ORF (NP_000180.2, 1 a.a. - 917 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MIASHLLAYFFTELNHDQVQKVDQYLYHMRLSDETLLE
ISKRFRKEMEKGLGATTHPTAAVKMLPTFVVRSTPDGT
EHGEFLALDLGGTNFRVLVWKVTDNGLQKVMENQIY
AIPEDIMRSGTQLFDHIAECLANFMDKLIQDKKLPLG
FTSFPCQTKLDESFLVSWTKGFKSSGVEGRDVVALI
RKAIQRRGDFDIDIVAVVNDTVGTMTCGYDDHNCEI
GLIVGTGSNACYMEEMRHDMVEGDEGRMCINMEWG
AFGDDGSLNDRTEFDQEIDMGSLNPGKQLFEKMISG
MYMGELVRLILVKMAKEELLFGGKLSPELLNTGRFETK
DISDIEGEKDGIRKAREVLMRLGLDPTQEDCVATHRIC
QIVSTRSASLCAATLAAVLQRIKENKGEERLRSTIGVDG
SVYKKHPHFAKRLHKTVRRLLVPGCDVRFRLRSEDGSGK
GAAMVTAVAYRLADQHRARQKTLEHLQLSHDQLLEVK
RRMKVEMERGLSKETHASAPVKMLPTYVCATPDGTE
KGDFLALDLGGTNFRVLLVRVRNGKWGGVEMHNKIYA
IPQEVMHGTGDELFDHIVQCIADFLEYMGMKGVSLPLG
FTSFPCQQNSLDESILLKWTGFKASGCEGEDVVTL
KEAIHRREEFDLDVVAVVNDTVGTMTCGFEDPHCEV
GLIVGTGSNACYMEEMRNVELVEGEEGRMCVNMEW
GAFGDNGCLDDFRTEFDVAVDELSLNPGRFEKMIS
GMYLGEIVRNILIDFTKRGLLFRGRISERLKTGRGIFETKF
LSQIESDCLALLQVRAILQHLGLESTCDDSIIVKEVCTVV
ARRAAQLCGAGMAAVVDRIRENRLDALKVTVGVVDG
TLYKLHPHFAKVMHETVKDLAPKCDVSFLQSEDGSGK
GAALITAVACRIREAGQR

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 128.8

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: 3099

Gene Symbol: HK2

Gene Alias: DKFZp686M1669, HKII, HXK2

Gene Summary: Hexokinases phosphorylate glucose to produce glucose-6-phosphate, the first step in most glucose metabolism pathways. This gene encodes hexokinase 2, the predominant form found in skeletal muscle. It localizes to the outer membrane of mitochondria. Expression of this gene is insulin-responsive, and studies in rat suggest that it is involved in the increased rate of glycolysis seen in rapidly growing cancer cells. [provided by RefSeq]