# Recombinant Human KHK protein, T7-tagged

**Cat. No.** KHK-151H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Recombinant human KHK ( 298aa, Isoform-a ) fused with T7 Tag at N-terminal was expressed in E. coli. |
| **Species** | Human |
| **Source** | E.coli |
| **ProteinLength** | 298 a.a. |
| **Form** | 1.0 mg/ml, sterile-filtered, in 20 mM pH 8.0 Tris-HCl Buffer, with proprietary formulation of NaCl, KCl, EDTA, Sucrose and DTT. |
| **AA Sequence** | MASMTGGQQMGRGEFMEEKQILCVGLVVLDVISLVDKYPKEDSEIRCLSQRWQRG GNASNSCTVLSLLGAPCAFM GSMAPGHVADFVLDDLRRYSVDLRYTVFQTTGSVPI ATVIINEASGSRTILYYDRSLPDVSATDFEKVDLTQFKW IHIEGRNASEQVKMLQRID AHNTRQPPEQKIRVSVEVEKPREELFQLFGYGDVVFVSKDVAKHLGFQSAEEALRG LYGRVRKGAVLVCAWAEEGADALGPDGKLLHSDAFPPPRVVDTLGAGDTFNASVIF SLSQGRSVQEALRFGCQVA GKKCGLQGFDGIV |
| **Purity** | >90% by SDS-PAGE |
| **Storage** | Keep at -80 centigrade for long term storage. Product is stable at 4 centigrade for at least 7 days. |

## GENE INFORMATION

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| **Gene Name** | KHK ketohexokinase (fructokinase) [ Homo sapiens ] |
| **Official Symbol** | KHK |
| **Synonyms** | KHK; ketohexokinase (fructokinase); ketohexokinase; hepatic fructokinase; |
| **Gene ID** | 3795 |
| **mRNA Refseq** | NM_000221 |
| **Protein Refseq** | NP_000212 |
| **MIM** | 614058 |
| **UniProt ID** | P50053 |
| **Chromosome Location** | 2p23.3-p23.2 |
| **Pathway** | Fructose and mannose metabolism, organism-specific biosystem; Fructose and mannose metabolism, conserved biosystem; Fructose catabolism, organism-specific biosystem; Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of carbohydrates, organism-specific biosystem; sucrose degradation V (mammalian), organism-specific biosystem; |
| **Function** | ATP binding; ketohexokinase activity; kinase activity; nucleotide binding; transferase activity; |

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