

## Recombinant Human KHK protein, T7-tagged

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

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                  |
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| <b>Product Overview</b> | Recombinant human KHK ( 298aa, Isoform-a ) fused with T7 Tag at N-terminal was expressed in E. coli.                                                                                                                                                                                                                                             |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                            |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                           |
| <b>ProteinLength</b>    | 298 a.a.                                                                                                                                                                                                                                                                                                                                         |
| <b>Form</b>             | 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.                                                                                                                                                                                                                  |
| <b>AA Sequence</b>      | MASMTGGQQMGRGEFMEEKQILCVGLVVLDDVISLVDKYPKEDSEIRCLSQRWQRG<br>GNASNSCTVLSLLGAPCAFM GSMAPGHVADFLDDLRYSVDLRYTVFQTTGSVPI<br>ATVIINEASGSRITILYYDRSLPDVSATDFEKVDLTQFKW IHIEGRNASEQVKMLQRID<br>AHNTRQPPEQKIRVSVEVEKPREELFQLFGYGDVVFVSKDVAKHLGFQSAEEALRG<br>LYGRVRKGAVLVCAWAEAGADALGPDGKLLHSDAFPPPRVVDTLGAGDTFNASVIF<br>SLSQGRSVQEALRFGCQVA GKCKGLQGFDGIV |
| <b>Purity</b>           | >90% by SDS-PAGE                                                                                                                                                                                                                                                                                                                                 |
| <b>Storage</b>          | 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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|                            |                                                                                                                                                                                                                                                                                                                                                                                           |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | KHK ketohexokinase (fructokinase) [ Homo sapiens ]                                                                                                                                                                                                                                                                                                                                        |
| <b>Official Symbol</b>     | KHK                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Synonyms</b>            | KHK; ketohexokinase (fructokinase); ketohexokinase; hepatic fructokinase;                                                                                                                                                                                                                                                                                                                 |
| <b>Gene ID</b>             | 3795                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>mRNA Refseq</b>         | NM_000221                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Protein Refseq</b>      | NP_000212                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>MIM</b>                 | 614058                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>UniProt ID</b>          | P50053                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Chromosome Location</b> | 2p23.3-p23.2                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Pathway</b>             | 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; |
| <b>Function</b>            | ATP binding; ketohexokinase activity; kinase activity; nucleotide binding; transferase activity;                                                                                                                                                                                                                                                                                          |

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