

Recombinant Human Ketohexokinase (fructokinase)

Cat. No. KHK-905H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Ketohexokinase Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 298 amino acids and having a molecular mass of 32.7 kDa.
Species	Human
Source	Human
Description	Ketohexokinase catalyzes the phosphorylation of fructose to produce fructose-1-phosphate, resulting in the utilization of ATP and creation of AMP. Ketohexokinase commences initial step in the metabolism of dietary fructose and is a significant regulator of hepatic glucose metabolism. Ketohexokinase is found in liver, renal cortex, and small intestine.
Form	The protein solution contains 1xPBS, pH 7.4 and 10 % glycerol.
Purity	Greater than 90.0 % as determined by SDS-PAGE.
Amino acid sequence	MEEKQILCVG LVVLDVISLV DKYPKEDSEI RCLSQRWQRG GNASNSCTIL SLLGAPCAFM GSMAPGHVAD FVLDDLRRYS VDLRYTVFQT TGSVPIATVI INEASGSRTI LYYDRSLPDV SATDFEKVDL TQFKWIHIEG RNASEQVKML QRIDAHNTRQ PPEQKIRVSV EVEKPREELF QLFGYGDVVF VSKDVAKHLG FQSAEEALRG LYGRVRKGAV LVCAWAEEGA DALGPDGKLL HSDAFPPPRV VDTLGAGDTF NASVIFSLSQ GRSVQEALRF GCQVAGKKCG LQGF DGIV

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1 % HSA or BSA). Avoid multiple freeze-thaw cycles.

GENE INFORMATION
Gene Name

KHK ketohexokinase (fructokinase) [Homo sapiens]

Official Symbol

KHK

Synonyms

KHK; ketohexokinase (fructokinase); ketohexokinase; OTTHUMP00000122595; OTTHUMP00000122596; OTTHUMP00000200951; 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; Fructose catabolism; Metabolic pathways; Metabolism of carbohydrates

Function

ATP binding; ketohexokinase activity; kinase activity; nucleotide binding; protein binding; transferase activity

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA