

**Ketohexokinase, 1-298aa, Human, E.coli**

**Cat.NO.: TP02723**

3th Edition

**Synonyms:**KHK, Hepatic fructokinase

**Description:**Ketohexokinase is an enzyme that catalyzes the phosphorylation of fructose to produce fructose-1-phosphate, leading to consumption of ATP, formation of AMP. This protein initiates first step in the metabolism of dietary fructose and is an important regulator of hepatic glucose metabolism. It is highly found in liver, renal cortex, and small intestine. Its deficiency causes the benign hereditary metabolic disorder essential fructosuria, leading to fructose being excreted in the urine

**Form:**Liquid. In Phosphate-Buffered Saline (pH 7.4) containing 10% Glycerol

**Molecular Weight:**32.7 kDa (298aa)

**Sequences:**

MEEKQILCVGLVVLDVISLVDKYPKEDSEIRCLSQRWQRGGNASNSCTILSLLGAPCAFMGSMAPGHVADFVLDL  
RRYSVDLRYTVFQTTGSVPIATVIINEASGSRTILYYDRSLPDVSATDFEKVDLTQFKWIHIEGRNASEQVKMLQRIDA  
HNTRQPPEQKIRVSVEVEKPREELFQLFGYGDVVFVSKDVAKHLGFQSAEEALRGLYGRVRKGAVLVCAWAEEGA  
DALGPDGKLLHSDAFPPPRVVDTLGAGDTFNASVIFSLSQGRSVQEALRFGCQVAGKKCGLQGFDGIV

**Purity:**> 95% by HPLC

**Concentration:**1 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.