

---

## Product Data Sheet

---

Product Name: Ketohekinase Human  
 Cat. No.: GP22538  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	KHK; Hepatic Fructokinase; Ketohekinase; Fructokinase.		
Amino Acid Sequence	MEEKQILCVG LVVLDVISLV DKYPKEDSEI RCLSQRWQRG GNASNSCTIL SLLGAPCAFM GSMAPGHVAD FVLDDLRRYS VDLRYTVFQT TGSVPIATVI INEASGSRTI LYYDRSLPDV SATDFEKVDL TQFKWIHIEG RNASEQVKML QRIDAHNTRQ PPEQKIRVSV EVEKPREELF QLFQYGDVVF VSKDVAKHLG FQSAEEALRG LYGRVRKGAV LVCAWAEEGA DALGPDGKLL HSDAFPPPRV VDTLGAGDTF NASVIFSLSQ GRSVQEALRF GCQVAGKKCG LQGFQDQIV.		
Formulation	The protein solution contains 1xPBS, pH 7.4 and 10% glycerol.		

### Introduction

Ketohekinase catalyzes the phosphorylation of fructose to produce fructose-1-phosphate, resulting in the utilization of ATP and creation of AMP. Ketohekinase commences initial step in the metabolism of dietary fructose and is a significant regulator of hepatic glucose metabolism. Ketohekinase is 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. Ketohekinase-dependent metabolism of fructose induces proinflammatory mediators in proximal tubular cells. ketohekinase plays an unknown physiologic function that remains intact in essential fructosuria. Ketohekinase expression is reduced in human clear cell type of renal cell carcinoma.

### Stability

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.

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

---

## Product Data Sheet

---

### Background

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.

***Caution: Product has not been fully validated for medical applications. For research use only.***

***Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com***

***Address: 10292 Central Ave. #205, Montclair, CA, USA***