

Recombinant Human KHK protein, His-tagged

Cat. No. KHK-493H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human KHK(Met1-Val298) fused with His tag at C-terminal was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Met1-Val298
Description	Ketohexokinase, also known as Hepatic fructokinase, is a member of the carbohydrate kinase PfkB family. It exists as a homodimer and most abundant in liver, kidney, gut, spleen and pancreas. Low levels also found in adrenal, muscle, brain and eye. This enzyme catalyzes conversion of fructose to fructose-1-phosphate. It is the first enzyme with a specialized pathway that catabolizes dietary fructose. Defects in KHK are the cause of fructosuria.
Form	Supplied as a 0.2 µm filtered solution of 20mM TrisHCl, 50mM KCl, 10% Glycerol, pH7.4.
AA Sequence	MEEKQILCVGLVVLDVISLVDKYPKEDSEIRCLSQRWQRGGNASNSCTILSLLGAPC AFMGSMAP GHVADFVLDLRRYSVDLRYTVFQTTGSVPIATVIINEASGSRTILYYD RSLPDVSATDFEKVDL TQFKWIHIEGRNASEQVKMLQRIDAHNTRQPPEQKIRVSVE VEKPREELFQLFGYGDVVFVSKDV AKHLGFQSAEEALRGLYGRVRKGAVLVCAWA EEGADALGPDGKLLHSDAFPPPRVVDTLGAGDTF NASVIFSLSQGRSVQEALRFGC QVAGKKCGLQGF DGIVVDH HHHHHH

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Endotoxin	Less than 0.1 ng/g (1 IEU/g) as determined by LAL test.
Purity	Greater than 95% as determined by reducing SDS-PAGE.
Storage	Store at < -20 centigrade, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Shipping	The product is shipped on dry ice/ice packs.

GENE INFORMATION

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

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