

Product datasheet for **TP302424M**

ketohexokinase (KHK) (NM_000221) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human ketohexokinase (fructokinase) (KHK), transcript variant a
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC202424 protein sequence Red =Cloning site Green =Tags(s)
	MEEKQILCVGLWLDVISLVDKYPKEDSEIRCLSQRWQRGGNASNSCTILSLLGAPCAFMGSMAPGHVAD FVLDDLRYSVDLRYTVFQTTGSVPIATVIINEASGSRTILYYDRSLPDVSATDFEKVDLTQFKWIHIEG RNASEQVKMLQRIDAHNTRQPPEQKIRVSVEVEKPREELFQLFGYGDVVFVSKDVAKHLGFQSAEEALRG LYGRVRKGAVLVCAWAEEGADALGPDGKLLHSDAFPPPRVDTLGAGDTFNASVIFLSQGRSVQEALRF GCQVAGKKCGLQGFDGIV
	SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	32.5 kDa
Concentration:	>50 ug/mL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Applications:	Cell culture: For culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_000212</u>
Locus ID:	3795



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UniProt ID: [P50053](#), [A0A140VJM6](#)

RefSeq Size: 2433

Cytogenetics: 2p23.3

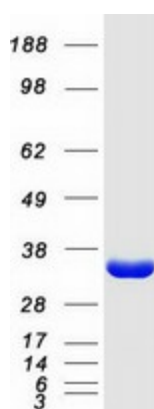
RefSeq ORF: 894

Summary: This gene encodes ketoheokinase that catalyzes conversion of fructose to fructose-1-phosphate. The product of this gene is the first enzyme with a specialized pathway that catabolizes dietary fructose. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome

Protein Pathways: Fructose and mannose metabolism, Metabolic pathways

Product images:



Coomassie blue staining of purified KHK protein (Cat# [TP302424]). The protein was produced from HEK293T cells transfected with KHK cDNA clone (Cat# [RC202424]) using MegaTran 2.0 (Cat# [TT210002]).