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Product datasheet for PH302424

ketohexokinase (KHK) (NM_000221) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	KHK MS Standard C13 and N15-labeled recombinant protein (NP_000212)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202424
Predicted MW:	32.7 kDa
Protein Sequence:	>RC202424 protein sequence Red=Cloning site Green=Tags(s) MEEKQILCVGLVVLDVISLVDKYPKEDSEIRCLSQRWQRGGNASNSCTILSLLGAPCAFMGSMAPGHVAD FVLDDLRRYSVDLRYTVFQTTGSVPIATVIINEASGSRTILYYDRSLPDVSATDFEKVDLTQFKWIHIEG RNASEQVKMLQRIDAHNTRQPPEQKIRVSVEVEKPREELFQLFGYGDVVFVSKDVAKHLGFQSAEEALRG LYGRVRKGAVLVCAWAEEGADALGPDGKLLHSDAFPPPRVVDTLGAGDTFNASVIFSLSQGRSVQEALRF GCQVAGKKCGLQGFDGIV SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_000212
RefSeq Size:	2433
RefSeq ORF:	894
Locus ID:	3795
UniProt ID:	P50053, A0A140VJM6

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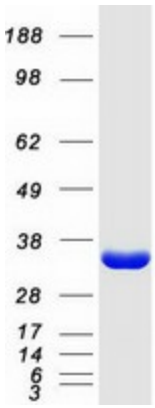
Cytogenetics: 2p23.3

Summary: This gene encodes ketohexokinase 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]).