Human KHK, C-His Tag Protein

HA210502

Product name:	Human KHK, C-His Tag
Species reactivity:	Human
Protein construction description:	A DNA sequence encoding the human KHK protein (P50053) (Met 1-Val 298) was expressed with a His tag at the C-terminus.

Background:	Ketohexokinase, also known as Hepatic fructokinase, is a member of the carbohydrate kinase PfkB family. It exits 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.
Purity:	>95% as determined by SDS-PAGE.
Endotoxin:	Less than 1.0 EU per μg by the LAL method.
Fragment region:	KHK (1-298)
Source:	E.coli
Accession:	P50053
Predicted molecular mass:	34.2 kD
Formulation:	Lyophilized from a 0.2 μm filtered solution of PBS, pH7.4, 5% Trehalose, 5% mannitol.
Reconstitution:	Reconstitute at 250 μg/ml in sterile water.
Storage:	Please avoid repeated freeze-thaw cycles. Samples are stable for up to twelve months from date of receipt at -20℃ to -80℃ It is recommended that aliquot the reconstituted solution to minimize freeze-thaw cycles.

Images

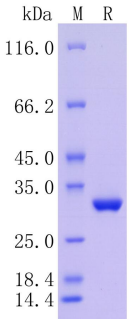


Fig1: Protein on SDS-PAGE under reducing (R) condition.

Note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".