Recombinant Human KHK (C-6His)

Catalog No: CC61

Description	Recombinant Human Ketohexokinase is produced by our Mammalian expression system and the target gene encoding Met1-Val298 is expressed with a 6His tag at the C-terminus.
Source	Human Cells
Alternative name	Ketohexokinase; Hepatic fructokinase; KHK
Accession No.	AAH06233.1
Predicted Molecular Weight	33.7kDa
AP Molecular Weight	30kDa, reducing conditions.
Formulation	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 50nM KCl, 10% Glycerol, pH 7.4.
Quality Control	Purity: Greater than 95% as determined by reducing SDS-PAGE. Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Storage	Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
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.

SDS-Page