

Recombinant Human Ketohexokinase/KHK Protein (His Tag)

Catalog Number: PKSH032672

Note: Centrifuge before opening to ensure complete recovery of vial contents.

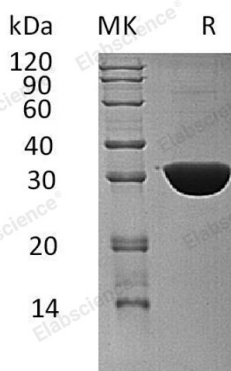
Description

Species	Human
Source	HEK293 Cells-derived Human Ketohexokinase;KHK protein Met 1-Val298, with an C-terminal His
Calculated MW	33.7 kDa
Observed MW	30 kDa
Accession	AAH06233.1
Bio-activity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Concentration	Subject to label value.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
Shipping	This product is provided as liquid. It is shipped at frozen temperature with blue ice/ gel packs. Upon receipt, store it immediately at < - 20°C.
Formulation	Supplied as a 0.2 µm filtered solution of 20mM Tris-HCl, 50nM KCl, 10% Glycerol, pH 7.4.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

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.

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