

## Recombinant Human Ketohexokinase/KHK Protein (His Tag)

**Catalog Number:** PKSH032672

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

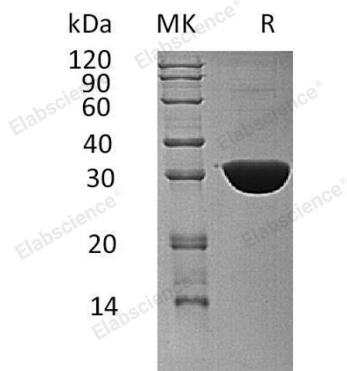
### Description

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

### Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Concentration</b>	Subject to label value.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
<b>Shipping</b>	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.
<b>Formulation</b>	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 is most abundant in liver, kidney, gut, spleen and pancreas. Low levels are also found in adrenal, muscle, brain and eye. This enzyme catalyzes the conversion of fructose to fructose-1-phosphate. It is the first enzyme in a specialized pathway that catabolizes dietary fructose. Defects in KHK are the cause of fructosuria.