



Recombinant Protein Technical Manual
Recombinant Human Ketohexokinase/KHK Protein
(His Tag)
RPES2949

Product Data:

Product SKU: RPES2949

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: P50053

Protein Information:

Molecular Mass: 33.7 kDa

AP Molecular Mass: 30 kDa

Tag: C-6His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg 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 TrisHCl, 50mM KCl, 10% Glycerol, pH 7.4.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Ketohexokinase; Hepatic fructokinase; KHK

Immunogen Information:

Sequence: Met 1-Val298

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-phosphate. It is the first enzyme in a specialized pathway that catabolizes dietary fructose. Defects in KHK are the cause of fructosuria.