

# Human Hexokinase 3 (His & GST Tag) recombinant protein



Catalog Number: 502358

## General Information

### Gene Name Synonym

Hexokinase type III

### Protein Construction

A DNA sequence encoding the human HK3 (P52790) (Met 1-Val 923) was fused with the N-terminal polyhistidine-tagged GST tag at the N-terminus.

### Organism

Human

### Expression Host

Baculovirus-Insect Cells

## QC Testing

### Activity

Kinase activity untested

### Purity

> 93 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per  $\mu\text{g}$  of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at  $-70^{\circ}\text{C}$

### Predicted N terminal

Met

### Molecular Mass

The recombinant human HK3/GST chimera consists of 1160 amino acids and has a calculated molecular mass of 127 kDa. It migrates as an approximately 115 kDa band in SDS-PAGE under reducing conditions.

### Formulation

Supplied as sterile 50mM Tris, 100mM NaCl, pH 7.4

1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

## Usage Guide

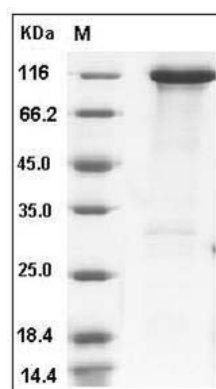
### Storage

Store it under sterile conditions at  $-20^{\circ}\text{C}$  to  $-80^{\circ}\text{C}$ . It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

### SDS-PAGE



Human Hexokinase-3 / HK3 Protein (His & GST Tag) SDS-PAGE