# **Human HK1 Recombinant protein (His tag)**

Catalog Number: 508688



### **General Information**

### Gene Name Synonym

EC 2.7.1.1; Brain form hexokinase; Hexokinase type I; HK I

#### **Protein Construction**

A DNA sequence encoding the human HK1 (NP $_001309294.1$ ) 618-952 aa was fused with the polyhistidine tag

### **Organism**

Human

### **Expression Host**

E. coli

## **QC Testing**

### **Activity**

Not tested.

### Endotoxin

Please contact the lab for more information.

#### **Stability**

Store for up to 12 months at -20°C to -80°C as lyophilized powder.

#### **Formulation**

Protein lyophilized in sterile PBS (58 mM Na2HPO4, 17 mM NaH2PO4, 68 mM NaCl, 300 mM Imidazole, pH 8.0). Trehalose (5-8%) and mannitol (5-8%) protectants were added before

lyophilization.

## **Usage Guide**

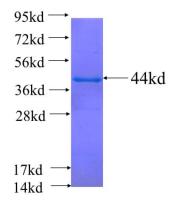
### **Storage**

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

#### Reconstitution

Reconstitute at 0.25  $\mu$ g/ $\mu$ l in sterile water for short-term storage. Reconstitution with 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details). If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used). Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.

#### **SDS-PAGE**



Recombinant human HK1 SDS-PAGE