Catalog Number: 503758



# **General Information**

## **Protein Construction**

A DNA sequence encoding the human SHPK (NP\_037408.2) (Ala2-Ser478) was fused with two additional amino acids (Gly&Pro) at the N-terminus.

#### Organism

Human

## **Expression Host**

Baculovirus-Insect Cells

# **QC Testing**

#### Activity

Kinase activity untested

## Purity

> 85 % as determined by SDS-PAGE

## Endotoxin

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

## Stability

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

## **Predicted N terminal**

Gly

#### **Molecular Mass**

The recombinant human SHPK consists of 479 amino acids and has a calculated molecular mass of 51.5 kDa. The recombinant protein migrates as an approximately 47 kDa band in SDS-PAGE under reducing conditions.

## Formulation

Lyophilized from sterile 20mM Tris, 500mM NaCl, 3mM DTT, 10% glycerol, 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°C to -80°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**

KDa	M
116	
66.2	
45.0	
35.0	
25.0	
18.4	-
14.4	-

Human CARKL / SHPK Protein SDS-PAGE