# Human IHPK1 (His & GST Tag) recombinant protein

Catalog Number: 501053



# **General Information**

### Gene Name Synonym

Inositol hexaphosphate kinase 1

## **Protein Construction**

A DNA sequence encoding the human IHPK1 (Q92551-1) (Met1-Gln441) 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**

> 95 % 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°C

#### Predicted N terminal

Met.

#### **Molecular Mass**

The recombinant human IHPK1 /GST chimera consists of 678 amino acids and has a calculated molecular mass of 78 kDa. The recombinant protein migrates approximately 88 kDa band in SDS-PAGE under reducing conditions.

#### **Formulation**

Supplied as sterile 20mM Tris, 500mM NaCl, pH 8.0, 10% gly

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

# **Usage Guide**

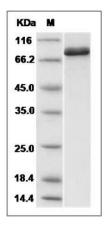
# **Storage**

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**



Human IHPK1 Protein (His & GST Tag) SDS-PAGE