

# Mouse PLK1/PLK-1 (His Tag) recombinant protein



Catalog Number: 500331

## General Information

### Protein Construction

A DNA sequence encoding the mouse PLK1 (Q07832) (Met 1-Ser 603) was fused with a polyhistidine tag at the N-terminus.

### Organism

Mouse

### Expression Host

Baculovirus-Insect Cells

## QC Testing

### Activity

The specific activity was determined to be 3 nmol/min/mg using casein as substrate.

### Purity

> 90 % 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  $-70^{\circ}\text{C}$

### Predicted N terminal

Met

### Molecular Mass

The recombinant mouse PLK1 consists of 622 amino acids and has a calculated molecular mass of 70.6 kDa. It migrates as an approximately 65 kDa band in SDS-PAGE under reducing conditions.

### Formulation

Supplied as sterile 20mM Tris, 500mM NaCl, pH 7.4, 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

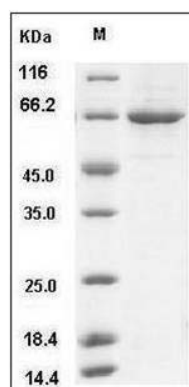
### Storage

Store it under sterile conditions at  $-20^{\circ}\text{C}$  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



Mouse PLK1 / PLK-1 Protein (His Tag) SDS-PAGE