

# Human nemo-like kinase (His & GST Tag) recombinant protein



Catalog Number: 500963

## General Information

### Gene Name Synonym

Nemo-like kinase; Protein LAK1

### Protein Construction

A DNA sequence encoding the human NLK (Q9UBE8) (Val121-Glu527) was fused with the N-terminal polyhistidine-tagged GST tag at the N-terminus.

### Organism

Human

### Expression Host

Baculovirus-Insect Cells

## QC Testing

### Activity

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

### Purity

> 91 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per µg 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 NLK /GST chimera consists of 644 amino acids and has a calculated molecular mass of 74.1 kDa. The recombinant protein migrates as an approximately 73 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

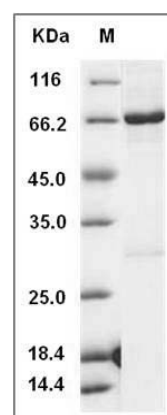
### Storage

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 nemo-like kinase / NLK Protein (His & GST Tag) SDS-PAGE