

# Human STK24 (His Tag) recombinant protein



Catalog Number: 502149

## General Information

### Gene Name Synonym

Mammalian STE20-like protein kinase 3; STE20-like kinase MST3; Serine/threonine-protein kinase 24 36 kDa subunit; Mammalian STE20-like protein kinase 3 N-terminal; Serine/threonine-protein kinase 24 12 kDa subunit; Mammalian STE20-like protein kinase 3 C-terminal

### Protein Construction

A DNA sequence encoding the human STK24 isoform A (Q9Y6E0-2) (Met 1-His 431) was expressed, with a polyhistidine tag at the N-terminus.

### Organism

Human

### Expression Host

Baculovirus-Insect Cells

## QC Testing

### Activity

The specific activity was determined to be 62 nmol/min/mg using synthetic PKCtide peptide (ERM<sub>2</sub>PRKRQGSVRRRV) as substrate.

### Purity

> 82 % 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 STK24 consists of 450 amino acids and predicts a molecular mass of 50.3 kDa. It migrates as an approximately 55 kDa band in SDS-PAGE under reducing conditions.

### Formulation

Supplied as sterile 50mM Tris, 100mM NaCl, pH 8.0, 20% gly, 0.1mM EGTA, 0.1mM EDTA, 0.25mM DTT

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

## Usage Guide

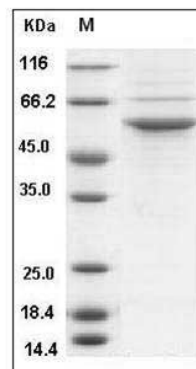
### Storage

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 STK24 / MST3 Protein (His Tag) SDS-PAGE