Human STK4/MST1 (His Tag) recombinant protein

Catalog Number: 500939

General Information

Gene Name Synonym

Mammalian STE20-like protein kinase 1; STE20-like kinase MST1; Serine/threonine-protein kinase Krs-2; Serine/threonine-protein kinase 4 37kDa subunit; Serine/threonine-protein kinase 4 18kDa subunit

Protein Construction

A DNA sequence encoding the human STK4 isoform 1 (Q13043-1) (Glu 2-Phe 487) 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 253 nmol/min/mg using MBP as substrate.

Purity

> 92 % 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℃

Predicted N terminal

His

Molecular Mass

The recombinant human STK4 consists of 505 amino acids and migrates as an approximately 58 kDa band in SDS-PAGE under reducing conditions as predicted.

Formulation

Supplied as sterile 20mM Tris, 500mM NaCl, pH 7.4, 10% glycerol
1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

Usage Guide

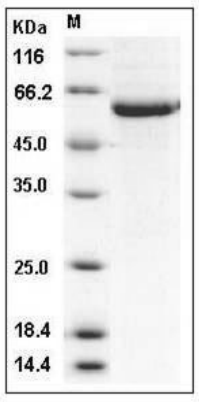
Storage

Store it under sterile conditions at -20℃ to -80℃. 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



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