Human STK24 / MST3 Protein (His Tag)

Catalog Number: **13188-H07B**

Sino Biological
Biological Solution Specialist

General Information

Gene Name Synonym:

HEL-S-95; MST3; MST3B; STE20; STK3

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.

Source: Human

Expression Host: Baculovirus-Insect Cells

QC Testing

Purity: > 82 % as determined by SDS-PAGE

Bio Activity:

The specific activity was determined to be >30 nmol/min/mg using synthetic PKCtide peptide (ERMRPRKRQGSVRRRV) as substrate.

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: 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

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

Usage Guide

Storage:

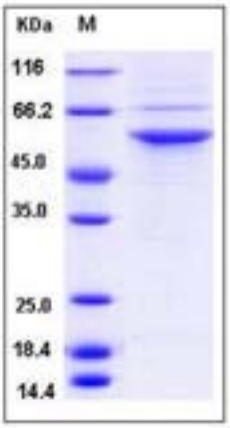
Store it under sterile conditions at -20℃ to -80℃ upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:



References

1.Lu TJ, *et al.* (2006) Inhibition of cell migration by autophosphorylated mammalian sterile 20-like kinase 3 (MST3) involves paxillin and protein-tyrosine phosphatase-PEST. J Biol Chem. 281(50): 38405-17. 2.Lu TJ, *et al.* (2005) Zinc ion acts as a cofactor for serine/threonine kinase MST3 and has a distinct role in autophosphorylation of MST3. J Inorg Biochem. 99(6): 1306-13. 3.Schinkmann K, *et al.* (1997) Cloning and characterization of a human STE20-like protein kinase with unusual cofactor requirements. J Biol Chem. 272 (45): 28695-703.