

# Recombinant human MST2/STK3 protein

Catalog Number: ATGP3452

## PRODUCT INFORMATION

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### Expression system

Baculovirus

### Domain

1-322aa

### UniProt No.

Q13188

### NCBI Accession No.

NP\_006272

### Alternative Names

Serine/threonine-protein kinase 3, STK3, KRS1, MST2

## PRODUCT SPECIFICATION

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### Molecular Weight

37.6 kDa (331aa)

### Concentration

0.25mg/ml (determined by absorbance at 280nm)

### Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

### Purity

> 90% by SDS-PAGE

### Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

### Tag

His-Tag

### Application

SDS-PAGE

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### Description

STK3, also known as serine/threonine-protein kinase 3, is a mammalian Ste20-related protein kinases most closely related to Drosophila Hippo, a major regulator of cell proliferation and survival during development. It is a serine/threonine kinase that functions early in a pheromone responsive signal transduction cascade in yeast. It activates the human large tumor suppressor kinase Lats1. It modulates stress-induced cardiac hypertrophy.

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Recombinant human STK3, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

## Amino acid Sequence

<ADP>MEQPPAP KSKLKKLSED SLTKQPPEEVF DVLEKLGEGS YGSVFKAIHK ESGQVVAIKQ VPVESDLQEI IKEISIMQQC  
DSPYVVVKYYG SYFKNTDLWI VMEYCGAGSV SDIIRLRNKT LIEDEIATIL KSTLKGLEYL HFMRKIHRDI KAGNILLNTE  
GHAKLADFGV AGQLTDTMAK RNTVIGTPFW MAPEVIQEIG YNCVADIWSL GITSIEMAEG KPPYADIHPM RAIFMIPTNP  
PPTFRKPELW SDDFTDFVKK CLVKNPEQRA TATQLLQHPF IKNAKPVSIL RDLITEAMEI KAKRHEEQQR EEEEEENS  
EDEL<HHHHH H>

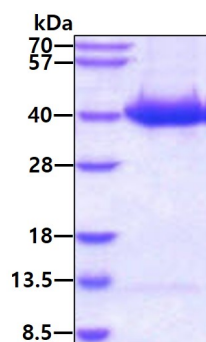
## General References

Chan EH., et al. (2005) Oncogene. 24:2076-2086.

Taylor LK., et al. (1996) Proc Natl Acad Sci U S A. 93:10099-10104.

## DATA

### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain