



# Recombinant Protein Technical Manual

**Recombinant Human STK24/MST3 Protein (His Tag)(Active)**  
RPES0815

## Product Data:

**Product SKU:** RPES0815

**Size:** 20µg

**Species:** Human

**Expression host:** Baculovirus-Insect Cells

**Uniprot:** Q9Y6E0-2

## Protein Information:

**Molecular Mass:** 50.3 kDa

**AP Molecular Mass:** 55 kDa

**Tag:** N-His

**Bio-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 reducing SDS-PAGE.

**Endotoxin:** < 1.0 EU per µg as determined by the LAL method.

**Storage:** Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

**Shipping:** This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.

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

**Reconstitution:** Please refer to the printed manual for detailed information.

**Application:**

**Synonyms:** HEL-S-95;MST3;MST3B;RP1111L24.5;STE20;STK3

## Immunogen Information:

**Sequence:** Met 1-His 431

## Background:

MST3 encodes a serine/threonine protein kinase that functions upstream of mitogen-activated protein kinase (MAPK) signaling. The encoded protein is cleaved into two chains by caspases; the N-terminal fragment (MST3/N) translocates to the nucleus and promotes programmed cells death. There is a pseudogene for this gene on chromosome X. Alternative splicing results in multiple transcript variants.