



# Recombinant Protein Technical Manual

**Recombinant Human STK4/MST1 Protein (His Tag)(Active)**  
RPES1285

## Product Data:

**Product SKU:** RPES1285

**Size:** 20µg

**Species:** Human

**Expression host:** Baculovirus-Insect Cells

**Uniprot:** Q13043

## Protein Information:

**Molecular Mass:** 58 kDa

**AP Molecular Mass:** 58 kDa

**Tag:** N-His

**Bio-activity:** The specific activity was determined to be 253 nmol/min/mg using MBP as substrate.

**Purity:** > 92 % 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 20mM Tris, 500mM NaCl, pH 7.4, 10% glycerol

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

**Application:**

**Synonyms:** KRS2;MST1;TIIAC;YSK3

## Immunogen Information:

**Sequence:** Glu 2-Phe 487

## Background:

MST1 protein encoded by this gene contains four kringle domains and a serine protease domain, similar to that found in hepatic growth factor. Despite the presence of the serine protease domain, the encoded protein may not have any proteolytic activity. The receptor for this protein is RON tyrosine kinase, which upon activation stimulates ciliary motility of ciliated epithelial lung cells. This protein is secreted and cleaved to form an alpha chain and a beta chain bridged by disulfide bonds.