

**Catalog No.: RP03449LQ** **Recombinant**

Species	Gene ID	Swiss Prot
Human	8428	O9Y6E0

## N-GST

STK24; MST3; STK3; STE20-like kinase  
MST3; Mammalian STE20-like protein  
kinase 3; Serine/threonine-protein kinase  
24

Source	Purification
Baculovirus-Insect Cells	≥ 80 % as determined by SDS-PAGE; ≥ 80 % as determined by HPLC.

## 75.8 kDa                      70-85 kDa

< 1 EU/μg of the protein by LAL method.

Supplied as a 0.22 µm filtered solution in 50 mM Tris, 200 mM NaCl, 0.05% Brij35, 1 mM DTT, 10% glycerol. (pH 7.5).  
Contact us for customized product form or formulation.

Please use running water to thaw it quickly.

 | 400-999-6126

 | [cn.market@abclonal.com.cn](mailto:cn.market@abclonal.com.cn)

 | [www.abclonal.com.cn](http://www.abclonal.com.cn)

Serine/threonine-protein kinase 24 is an enzyme that in humans is encoded by the STK24 gene. It is also known as Mammalian STE20-like protein kinase 3 (MST-3). STK24 has two subunits, 36kDa N-terminal subunit and 12 kDa C-terminal subunit. STK24 is activated by autophosphorylation at Thr-190 and phosphorylation at this site is essential for its function. Phosphorylation by protein kinase A activates the isoform B of STK24.

Recombinant Human MST3/STK24 Kinase is produced by Baculovirus-Insect Cells expression system. The target protein is expressed with sequence (Met1-His443) of Human STK24 (Accession #Q9Y6E0) fused with a N-GST tag.

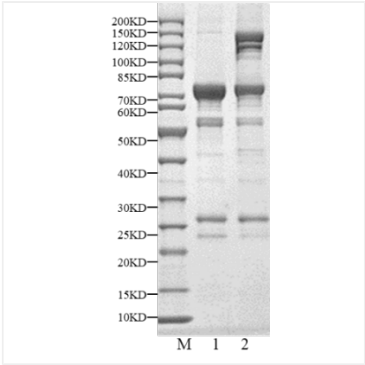
The activity of MST3 is based on the MSA technology, and the content and ratio of the substrate and the product are directly separated and detected in real time and dynamically by the different migration rates of the substrate and the product after the enzymatic reaction.

Store at -70°C. This product is stable at  $\leq -70^{\circ}\text{C}$  for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature.

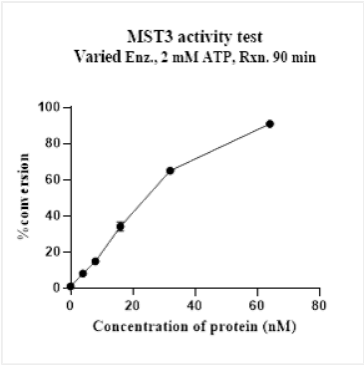
Aliquots below 10  $\mu$ L are not advisable. Product must not be stored in diluted solutions. Avoid repeated freeze-thaw cycles.

Avoid repeated freeze/thaw cycles.

# Validation Data



Recombinant Human MST3/STK24 Kinase was resolved with SDS-PAGE under reducing (Lane 1) and non-reducing (Lane 2) conditions.



The activity of MST3 is based on the MSA technology, and the content and ratio of the substrate and the product are directly separated and detected in real time and dynamically by the different migration rates of the substrate and the product after the enzymatic reaction.