Recombinant Human MST3/STK24 Kinase

Catalog No.: RP03449LQ

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Sequence Information

Species
Human

Gene ID
8428

Swiss Prot
Q9Y6E0

Tags
N-GST

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

Product Information

Source
Baculovirus-Insect Cells

Purification
≥ 80 % as determined by SDS-PAGE;≥ 80 % as determined by HPLC.

Calculated MW
75.8 kDa

Observed MW
70-85 kDa

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

Formulation
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.

Reconstitution
Please use running water to thaw it quickly.

Background

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.

Basic Information

Description
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.

Activity
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.

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -70℃

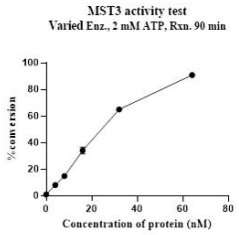
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

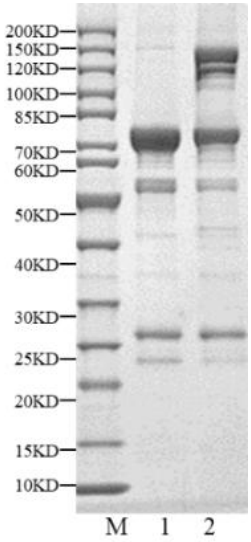
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Validation Data



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.



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

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