

Recombinant Human MST4/STK26 Kinase

Catalog No.: RP03344LQ

Sequence Information

Species **Gene ID**
Human 51765

Swiss Prot **Tags**
Q9P289 N-GST

Synonyms

STK26; MASK; MST4; Mammalian STE20-like protein kinase 4; Serine/threonine-protein kinase 26

Product Information

Source **Purification**
Baculovirus- ≥ 85% as
Insect Cells determined by
 SDS-PAGE; ≥
 85% as
 determined by
 HPLC.

Calculated MW **Observed MW**
73.1 kDa 60-80 kDa

Endotoxin

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

Formulation

Supplied as a 0.22 μm filtered solution in 50 mM Tris, 150 mM NaCl, 0.5 mM EDTA, 0.02% Triton® X-100, 2 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 MST4, also known as mammalian STE20-like protein kinase 4 (MST-4), is encoded by the STK26 gene. MST4 is a member of the GCK group III family of kinases, which are a subset of the Ste20-like kinases. MST4 contains an amino-terminal kinase domain, and a carboxy-terminal regulatory domain that mediates homodimerization. MST4 localizes to the Golgi apparatus and is specifically activated by binding to the Golgi matrix protein GM130. It is also cleaved by caspase-3 in vitro, and may function in the apoptotic pathway.

Basic Information

Description

Recombinant Human MST4/STK26 Protein is produced by Baculovirus-Insect Cells expression system. The target protein is expressed with sequence (Met1-Pro416) of Human STK26 (Accession #Q9P289) fused with a N-GST tag.

Activity

The activity of MST4 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°C

Operational Notes

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

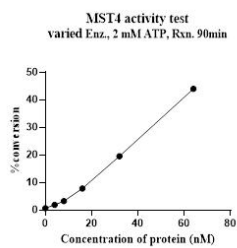
Contact

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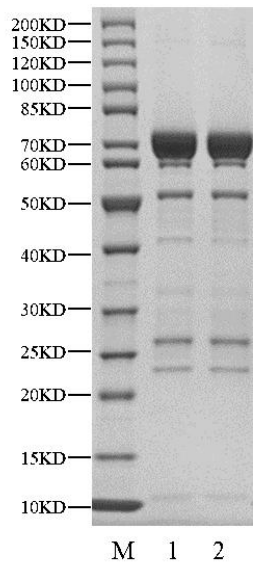
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Validation Data



The activity of MST4 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 MST4/STK26 Kinase was determined by SDS-PAGE under reducing (R) and non-reducing (NR) conditions.