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Recombinant Human MST4/STK26 Kinase

Catalog No.: RP03344LQ Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Human	51765	Q9P289

Tags
N-GST

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

Product Information

Source	Purification
Baculovirus-Insect Cells	≥ 85% as 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.

Contact

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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.

Bio-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.

Storage
Store at -70°C. This product is stable at ≤ -70°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 μL are not advisable. Product must not be stored in diluted solutions. Avoid repeated freeze-thaw cycles.
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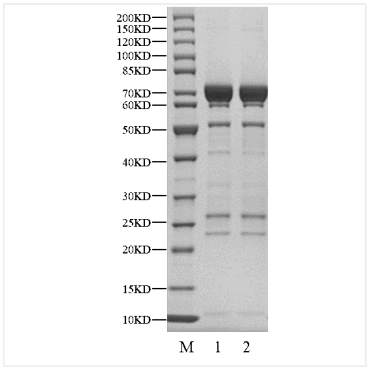
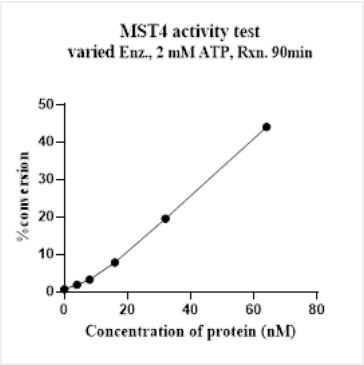
Validation Data



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



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