Recombinant Human MAP4K6/MINK1 Kinase

Catalog No.: RP03431LQ

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Sequence Information

Species
Human

Gene ID
50488

Swiss Prot
Q8N4C8

Tags
N-GST

Synonyms
MINK1; B55; MAP4K6; YSK2; ZC3; GCK family kinase MiNK; MEK kinase kinase 6; MEKKK 6; Misshapen/NIK-related kinase; Mitogen-activated protein kinase kinase kinase kinase 6; Misshapen-like kinase 1

Product Information

Source
Baculovirus-Insect Cells

Purification
≥ 90 % as determined by SDS-PAGE;≥ 90 % as determined by HPLC.

Calculated MW
62.2 kDa

Observed MW
50-60 kDa

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

Formulation
Supplied as a 0.22 μm filtered solution in 50 mM Tris-HCl, 150 mM NaCl, 1 mM DTT, 5% glycerol. (pH 7.5). Contact us for customized product form or formulation.

Reconstitution
Please use running water to thaw it quickly.

Background

Misshapen-like kinase 1 is an enzyme that in humans is encoded by the MINK1 gene. Misshapen-like kinase 1 is a serine/threonine kinase belonging to the germinal center kinase (GCK) family. The protein is structurally similar to the kinases that are related to NIK and may belong to a distinct subfamily of NIK-related kinases within the GCK family. Studies of the mouse homolog indicate an up-regulation of expression in the course of postnatal mouse cerebral development and activation of the cJun N-terminal kinase (JNK) and the p38 pathways. Alternative splicing occurs at this locus and four transcript variants encoding distinct isoforms have been identified.

Basic Information

Description
Recombinant Human MAP4K6/MINK1 Kinase is produced by Baculovirus-Insect Cells expression system. The target protein is expressed with sequence (Met1-Gly314) of Human MINK1 (Accession #Q8N4C8) fused with a N-GST tag.

Activity
The activity of MAP4K6 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℃

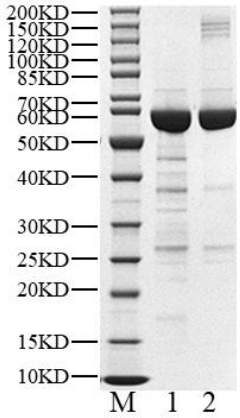
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

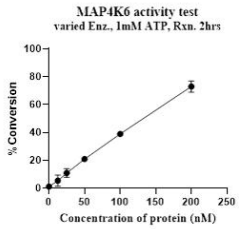
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Validation Data



Recombinant Human MAP4K6/MINK1 Kinase was resolved with SDS-PAGE under reducing (Lane 1) and non-reducing (Lane 2) conditions.



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