Recombinant Human MAP4K4/HGK Kinase

Catalog No.: RP03335LQ

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Sequence Information

Species
Human

Gene ID
9448

Swiss Prot
O95819

Tags
N-GST

Synonyms
MAP4K4; HGK; KIAA0687; NIK; MEKKK 4; HPK/GCK-like kinase HGK; Mitogen-activated protein kinase kinase kinase kinase 4

Product Information

Source
Baculovirus-Insect Cells

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

Calculated MW
64.1 kDa

Observed MW
55-70 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, 20% glycerol, 5 mM DTT, 0.1 M Trehalose. (pH 7.5). Contact us for customized product form or formulation.

Reconstitution
Please use running water to thaw it quickly.

Background

Mitogen-activated protein kinase kinase kinase kinase 4 (MAP4K4), also known as hepatocyte progenitor kinase-like/germinal center kinase-like kinase (HGK) and Nck-interacting kinase (NIK), is a serine/threonine (S/T) kinase. To date, MAP4K4 has been found to be expressed in all tissue types with a relatively more pronounced expression in the brain and testes. It is involved in a wide array of physiological processes including cell migration, proliferation and adhesion. Its activity has been implicated in systemic inflammation, metabolic disorders, cardiovascular disease and cancer.

Basic Information

Description
Recombinant Human MAP4K4/HGK Protein is produced by Baculovirus-Insect Cells expression system. The target protein is expressed with sequence (Ala2-Glu328) of Human MAP4K4 (Accession #O95819) fused with a N-GST tag.

Activity
The activity of MAP4K4 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℃

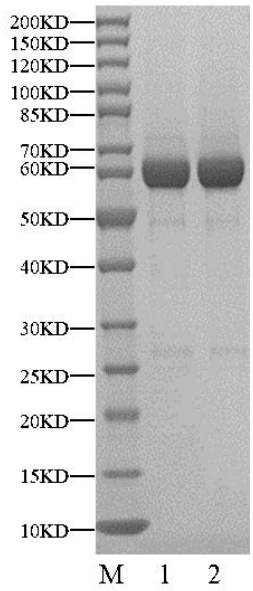
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

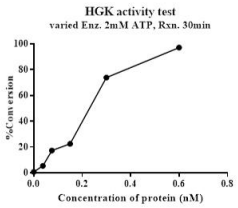
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Validation Data



Recombinant Human MAP4K4/HGK Kinase was determined by SDS-PAGE under reducing (R) and non-reducing (NR) conditions.



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