

RP03335LQ

Leader in Biomolecular Solutions for Life Science



Recombinant Human MAP4K4/HGK Kinase

Catalog No.: RP03335LQ **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Baculovirus- 9448		O95819
Insect Cells		

Tags

N-GST

Synonyms

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

Product Information

Source

Purification

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

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.

Contact



www.abclonal.com

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.

Bio-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

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Operational Notes

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

Storage

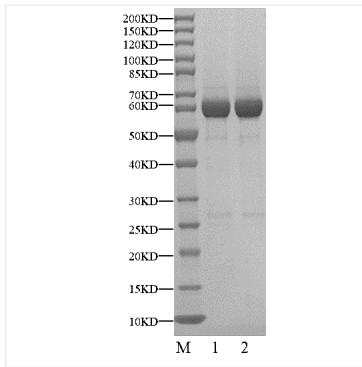
Store at -70°C. This product is stable at ≤ -70°C for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature.

Aliquots below 10 μL are not advisable. Product must not be stored in diluted solutions. Avoid repeated freeze-thaw cycles.

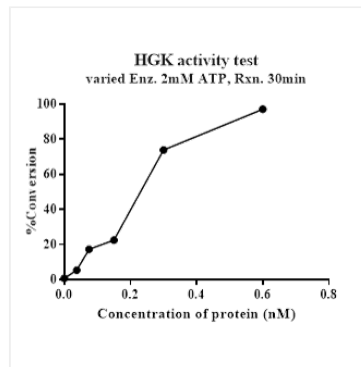
Avoid repeated freeze/thaw cycles.

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

Validation Data



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



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.