Recombinant Human MAPKAPK5/MK5/PRAK Kinase

Catalog No.: RP03338LQ

Sequence Information

Species	Gene ID
Human	8550
Swiss Prot	**Tags**
Q8IW41	N-GST

Synonyms
MAPKAPK5; PRAK; p38-regulated /activated protein kinase; MK-5; MAP kinase-activated protein kinase 5

Product Information

Source	Purification
Baculovirus-Insect Cells	≥ 90 % as determined by SDS-PAGE;≥ 90 % as determined by HPLC.
Calculated MW	**Observed MW**
80.7 kDa	60-85 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, 5% glycerol, 1 mM DTT. (pH 7.5). Contact us for customized product form or formulation.

Reconstitution
Please use running water to thaw it quickly.

Background

MAP kinase-activated protein kinase 5 (MAPKAPK5) is a member of the serine /threonine kinase family. In response to cellular stress and proinflammatory cytokines, MAPKAPK5 is activated through its phosphorylation by MAP kinases, including MAPK1/ERK, MAPK14/p38-alpha, and MAPK11/p38-beta. In vitro, MAPKAPK5 phosphorylates heat shock protein HSP27 at its physiologically relevant sites.

Basic Information

Description
Recombinant Human MAPKAPK5/MK5/PRAK Protein is produced by Baculovirus-Insect Cells expression system. The target protein is expressed with sequence (Ser2-Gln473) of Human MAPKAPK5 (Accession #Q8IW41) fused with a N-GST tag.

Activity
The activity of MAPKAPK5 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℃

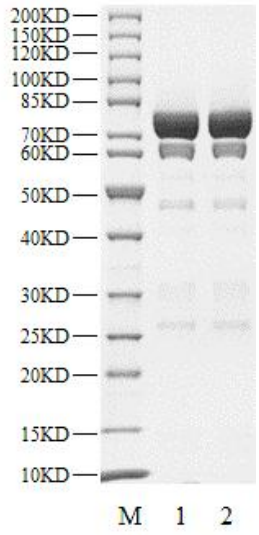
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

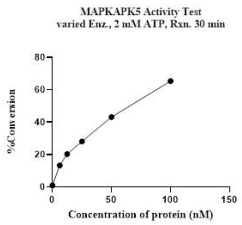
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Validation Data



Recombinant Human MAPKAPK5/MK5/PRAK Kinase was determined by SDS-PAGE under reducing (R) and non-reducing (NR) conditions.



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