

RP03338LQ

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# Recombinant Human MAPKAPK5/MK5/PRAK Kinase

Catalog No.: RP03338LQ **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Baculovirus- Insect Cells	8550	Q8IW41

**Tags**  
N-GST

## Synonyms

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

## 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, 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.

## Contact



[www.abclonal.com](http://www.abclonal.com)

## 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.

### Bio-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

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

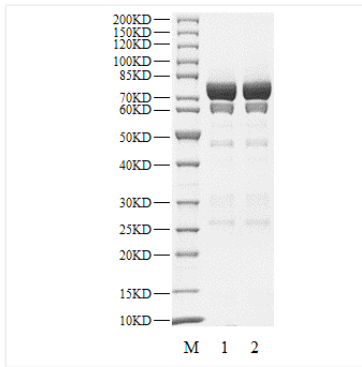
Store at -70°C. This product is stable at ≤ -70°C for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature.

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

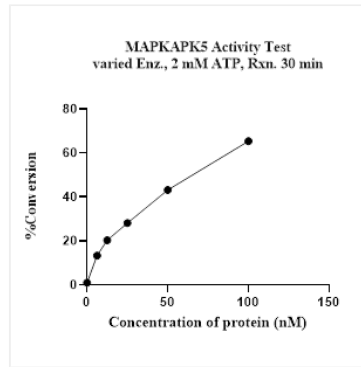
Avoid repeated freeze/thaw cycles.

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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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