

RP03355LQ

Leader in Biomolecular Solutions for Life Science



# Recombinant Human RSK4/RPS6KA6 Kinase

Catalog No.: RP03355LQ **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Baculovirus-Insect Cells	27330	Q9UK32

**Tags**  
N-GST

### Synonyms

RPS6KA6; RSK4; pp90RSK4; p90RSK6; S6K-alpha-6; Ribosomal protein S6 kinase alpha-6

## 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, 200 mM NaCl, 0.05% Brij35, 10% 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

RSK4 also known as ribosomal protein S6 kinase polypeptide 6 is encoded by the RPS6KA6 gene. RSK4 is a member of the RSK (ribosomal S6 kinase) family of serine and threonine kinases and may be distinct from other members of this family. As studies suggest it is not growth factor dependent and may not participate in the same signaling pathways.

## Basic Information

### Description

Recombinant Human RSK4/RPS6KA6 Protein is produced by Baculovirus-Insect Cells expression system. The target protein is expressed with sequence (Met1-Leu745) of Human RPS6KA6 (Accession #Q9UK32) fused with a N-GST tag.

### Bio-Activity

The activity of RSK4 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.

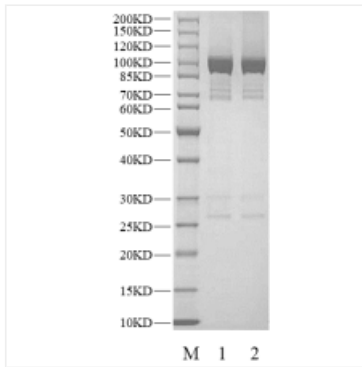
### Storage

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.

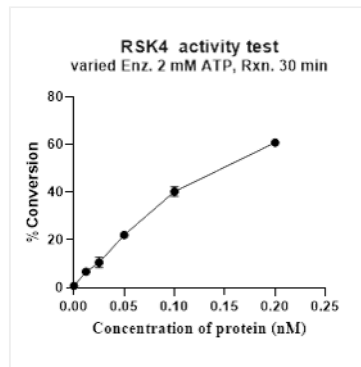
Aliquots below 10 μL are not advisable. Product must not be stored in diluted solutions. Avoid repeated freeze-thaw cycles.

Avoid repeated freeze/thaw cycles.

## Validation Data



Recombinant Human RSK4/RPS6KA6 Kinase was determined by SDS-PAGE under reducing (R) and non-reducing (NR) conditions.



The activity of RSK4 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.