

# Recombinant Human RSK4/RPS6KA6 Protein

Catalog No.: RP03355LQ **Recombinant**

## Sequence Information

<b>Species</b>	<b>Gene ID</b>	<b>Swiss Prot</b>
Human	27330	Q9UK32

### Tags

N-GST

### Synonyms

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

## Product Information

<b>Source</b>	<b>Purification</b>
Baculovirus-Insect Cells	> 90% by SDS-PAGE and HPLC

<b>Calculated MW</b>	<b>Observed MW</b>
110.4 kDa	85-110 kDa

### Endotoxin

< 1.0 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

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## 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.

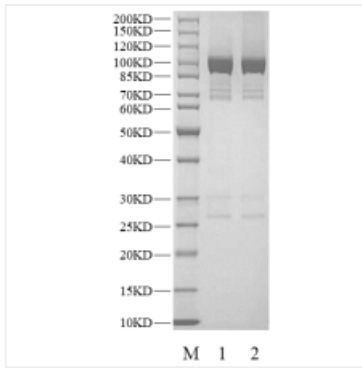
### Bio-Activity

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.

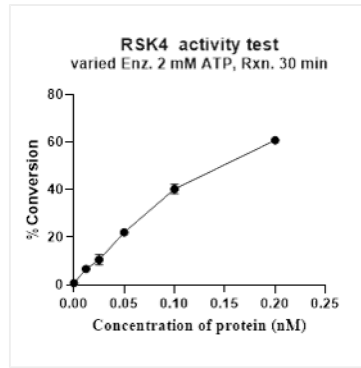
### Storage

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.  
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## Validation Data



Recombinant Human RSK4/RPS6KA6 Protein was resolved with SDS-PAGE under reducing (Lane 1) and non-reducing (Lane 2) conditions.



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