

Recombinant Human RSK3/RPS6KA2 Kinase

Catalog No.: RP03354LQ

Sequence Information

Species **Gene ID**
Human 6196

Swiss Prot **Tags**
Q15349 N-GST

Synonyms

RPS6KA2; MAPKAPK1C; RSK3;
p90RSK2; S6K-alpha-2; Ribosomal
protein S6 kinase alpha-2

Product Information

Source **Purification**
Baculovirus- ≥ 85% as
Insect Cells determined by
 SDS-PAGE;≥
 85% as
 determined by
 HPLC.

Calculated MW **Observed MW**
109.8 kDa 90-110 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, 1 mM
DTT, 200 mM NaCl, 5% glycerol.
(pH 7.5). Contact us for
customized product form or
formulation.

Reconstitution

Please use running water to thaw
it quickly.

Background

RSK3 also known as ribosomal protein S6 kinase alpha-2 is encoded by the RPS6KA2 gene. RSK3 is a member of the RSK (ribosomal S6 kinase) family of serine and threonine kinases and contains 2 non-identical kinase catalytic domains and phosphorylates various substrates, including members of the mitogen-activated kinase (MAPK) signalling pathway. The activity of this protein has been implicated in controlling cell growth and differentiation.

Basic Information

Description

Recombinant Human RSK3/RPS6KA2 Protein is produced by Baculovirus-Insect Cells expression system. The target protein is expressed with sequence (Met1-Leu733) of Human RPS6KA2 (Accession #Q15349) fused with a N-GST tag.

Activity

The activity of RSK3 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°C

Operational Notes

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

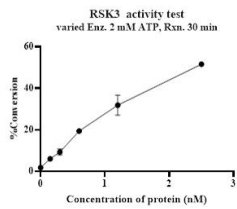
Contact

☎ | 400-999-6126

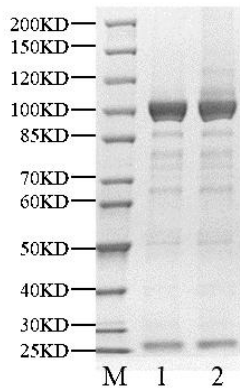
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Validation Data



The activity of RSK3 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.



Recombinant Human RSK3/RPS6KA2 Kinase was determined by SDS-PAGE under reducing (R) and non-reducing (NR) conditions.