

Recombinant Human RSK3/RPS6KA2 Kinase

Catalog No.: RP03354LQ Recombinant

Sequence Information

Species Gene ID Swiss Prot Human 6196 Q15349

Tags N-GST

Synonyms

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

Product Information

Source Purification

Baculovirus-Insect ≥ 85% as

Cells determined by SDSPAGE;≥ 85% as
determined by

Calculated MW Observed MW 109.8 kDa 90-110 kDa

HPLC.

Endotoxin

< 1 EU/µg of the protein by LAL method.

Formulation

Supplied as a 0.22 μ m 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.

Contact

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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.

Bio-Activity

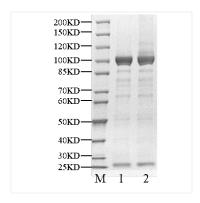
The activity of RSK3 is based on the MSA technology, and the content and ratio of the substrate and the product are directly separated and detected in real time and dynamically by the different migration rates of the substrate and the product after the enzymatic reaction.

Storage

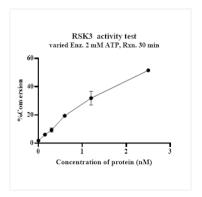
Store at -70° C. This product is stable at $\leq -70^{\circ}$ C for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature.

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

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



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