

Catalog No.: RP03437LQ **Recombinant**

Species	Gene ID	Swiss Prot
Human	6732	O96SB4

No tag

SRPK1; SRSF protein kinase 1;
Serine/arginine-rich protein-specific
kinase 1

Source E. coli	Purification ≥ 80 % as determined by SDS-PAGE; ≥ 80 % as determined by HPLC.
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Calculated MW	Observed MW
74.3 kDa	70-85 kDa

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

Supplied as a 0.22 µm filtered solution in 50 mM Tris-HCl, 200 mM NaCl, 1 mM DTT, 20% glycerol. (pH 7.5). Contact us for customized product form or formulation.

Please use running water to thaw it quickly.

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Serine/arginine-Rich Splicing Factor (SRSF) protein kinase-1 SRPK1 is an enzyme that in humans is encoded by the SRPK1 gene. This gene encodes a serine/arginine protein kinase specific for the SR (serine/arginine-rich domain) family of splicing factors. The protein localizes to the nucleus and the cytoplasm. It is thought to play a role in regulation of both constitutive and alternative splicing by regulating intracellular localization of splicing factors. A second alternatively spliced transcript variant for this gene has been described, but its full length nature has not been determined. SRPK1 enables angiogenesis, which is regulated by VEGF, which either initiates or inhibits vessel formation depending on alternative splicing.

Recombinant Human SRPK1 Kinase is produced by E. coli expression system. The target protein is expressed with sequence (Met1-Ser655) of Human SRPK1 (Accession #O96SB4) fused with No tag.

The activity of SRPK1 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.

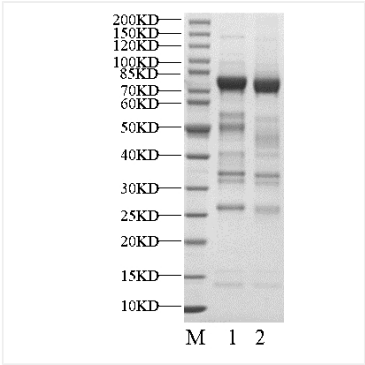
The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

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

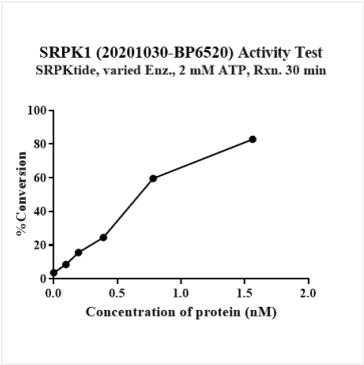
Aliquots below 10 μ L are not advisable. Product must not be stored in diluted solutions. Avoid repeated freeze-thaw cycles.

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

Validation Data



Recombinant Human SRPK1 Kinase was resolved with SDS-PAGE under reducing (Lane 1) and non-reducing (Lane 2) conditions.



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