Recombinant Human SRPK1 Kinase

Catalog No.: RP03437LQ

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Sequence Information

Species
Human

Gene ID
6732

Swiss Prot
Q96SB4

Tags
No tag

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

Product Information

Source
E. coli

Purification
≥ 80 % as determined by SDS-PAGE;≥ 80 % as determined by HPLC.

Calculated MW
74.3 kDa

Observed MW
70-85 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, 200 mM NaCl, 1 mM DTT, 20% glycerol. (pH 7.5). Contact us for customized product form or formulation.

Reconstitution
Please use running water to thaw it quickly.

Background

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.

Basic Information

Description
Recombinant Human SRPK1 Kinase is produced by E. coli expression system. The target protein is expressed with sequence (Met1-Ser655) of Human SRPK1 (Accession #Q96SB4) fused with No tag.

Activity
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.

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℃

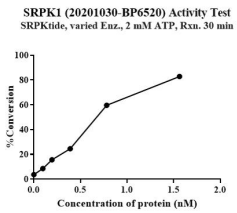
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

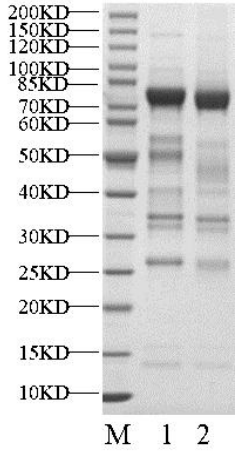
400-999-6126
cn.market@abclonal.com.cn
www.abclonal.com.cn

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Please visit http://abclonal.com for a complete listing of recommended products.

Validation Data



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.



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