

SRPK1 recombinant protein

Recombinant Human SRPK1 Protein (His & GST tag)

CATALOG # AAA22091	HOST Baculovirus-Insect Cells
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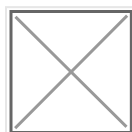
PRODUCT SYNONYMS

SRPK1; Recombinant Human SRPK1 Protein (His & GST tag); RP3-422H11.1; SFRSK1; SRPK1 recombinant protein

PRODUCT SPECIFICATIONS

Host	Baculovirus-Insect Cells
Purity/Purification	> 80 % as determined by SDS-PAGE
Form/Format	Lyophilized from sterile 20mM Tris, 500mM NaCl, 10% Glycerol, 0.1mM EDTA, 0.5 mM PMSF, 1 mM TCEP, pH7.5, 5% Trehalose, 5% Mannitol, 0.01% Tween-80
Sequence Length	655
Species	Human
Sequence	Glu 2-Ser 655
Tag	N-His-GST
Endotoxin	< 1.0 EU per mug of the protein as determined by the LAL method
Reconstitution	We recommend that the vial be centrifuged to opening to bring the contents to the bottom. Do not mix by vortex. It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25mg/mL. Concentration is measured by UV-Vis.
Preparation and Storage	Lyophilized proteins are stable for up to 12 months when stored at -20 degree C to -80 degree C. Reconstituted protein solution can be stored at 4 degree C to 8 degree C for 2-7 days. Aliquots of reconstituted samples are stable at < -20 degree C for 3 months.

IMAGES



SDS-PAGE

>80% as determined by reducing SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for SRPK1 recombinant protein	Background: Serine / threonine-protein kinase SRPK1, also known as SFRS protein kinase 1, Serine/arginine-rich protein-specific kinase 1, SR-protein-specific kinase 1 and SRPK1, is a cytoplasm and nucleus protein which belongs to the protein kinase superfamily and CMGC Ser/Thr protein kinase family. Isoform 2 of SRPK1 is predominantly expressed in the testis but is also present at lower levels in heart, ovary, small intestine, liver, kidney, pancreas and skeletal muscle. Isoform 1 of SRPK1 is only seen in the testis, at lower levels than isoform 2. SRPK1 hyperphosphorylates RS domain-containing proteins such as SFRS1, SFRS2 and ZRSR2 on serine residues during metaphase but at lower levels during interphase. SRPK1 plays a central role in the regulatory network for splicing, controlling the intranuclear distribution of splicing factors in interphase cells and the reorganization of nuclear speckles during mitosis. SRPK1 locks onto SFRS1 to form a stable complex and processively phosphorylates the RS domain. SRPK1 appears to mediate HBV core protein phosphorylation which is a prerequisite for pregenomic RNA encapsidation into viral capsids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	23468345
NCBI GeneID	6732
Molecular Weight	Molecular Mass: 102 kDa AP Molecular Mass: 120 kDa
NCBI Official Full Name	SFRS protein kinase 1
NCBI Official Synonym Full Names	SRSF protein kinase 1
NCBI Official Symbol	SRPK1
NCBI Official Synonym Symbols	SFRSK1
NCBI Protein Information	SRSF protein kinase 1
UniProt Protein Name	SRSF protein kinase 1
UniProt Gene Name	SRPK1
UniProt Synonym Gene Names	SR-protein-specific kinase 1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/srpk1-recombinant-protein-baculovirus-insect-cells/22091>