

SRPK1 recombinant protein

SRPK1, Active

CATALOG # AAA73957	HOST Sf9 insect cells	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

SRPK1; Active; SFRSK1; SRPK1 recombinant protein

PRODUCT SPECIFICATIONS

Host	Sf9 insect cells
Form/Format	Recombinant protein stored in 50mM Tris-HCl, pH7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Applicable Applications for SRPK1 recombinant protein	WB (Western Blot), Kinase Assay
Tag	GST
Species	Human
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

IMAGES



SDS-PAGE

Purity: Sample Purity Data. For specific information on a given lot, see related technical data sheet.



Activity

Specific Activity: Sample Kinase Activity Plot. For specific information on a given lot, see related technical data sheet.

ADDITIONAL INFORMATION

Related Product Information for SRPK1 recombinant protein	Recombinant full-length human SRPK1 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number is BC038292. SRPK1 is a Ser/Thr protein kinase that has sequence and function similar to SRPK2. In human cancer cells, it was observed that inactivation of SRPK1 induces cellular resistance to anticancer drugs such as cisplatin and bleomycin (1). SRPK1 phosphorylates serine/arginine-rich (SR) proteins, such as splicing factors ASF/SF2, SC35, and SRp55, in their arginine/serine-rich (RS) domains in vitro. Hence it is believed that SRPK1 plays a key role in regulation of both constitutive and alternative splicing by regulating intracellular localization of splicing factors (2).
Product Categories/Family for SRPK1 recombinant protein	Protein Kinases; Cancer; Inflammation; Neurobiology; Ser/Thr Kinases
References	1. Hayes, G.M. et al: Serine-arginine protein kinase 1 overexpression is associated with tumorigenic imbalance in mitogen-activated protein kinase pathways in breast, colonic, and pancreatic carcinomas. Cancer Res. 2007;67(5):2072-80. 2. Gui, J.-F. et al: A serine kinase regulates intracellular localization of splicing factors in the cell cycle. Nature 369: 678-682, 1994.

NCBI AND UNIPROT INFORMATION

NCBI GI #	23468344
NCBI GeneID	6732
Molecular Weight	72,383 Da
NCBI Official Full Name	Homo sapiens SFRS protein kinase 1, mRNA

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/srp1-recombinant-protein-sf9-insect-cells-wb-western-blot-kinase-assay/73957>