

Active Recombinant Full Length Human SFRS Protein Kinase 1, GST-tagged

Cat. No. SRPK1-435H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full-length human SRPK1 was expressed by baculovirus in <i>Sf9</i> insect cells using an N-terminal GST tag. MW = 130 kDa.
Species	Human
Source	Sf9 Cells
Description	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. 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.
Sequence	Full-length.
Applications	Kinase Assay, Western Blot.
Storage And Stability	Store product at -70°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.

GENE INFORMATION

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Gene Name	SRPK1 SFRS protein kinase 1 [Homo sapiens]
Synonyms	SRPK1; SFRS protein kinase 1; SFRSK1; SR protein kinase 1; EC 2.7.11.1; SR-protein-specific kinase 1; Serine/arginine-rich protein-specific kinase 1; Serine/threonine-protein kinase SRPK1
Gene ID	6732
mRNA Refseq	NM_003137
Protein Refseq	NP_003128
MIM	601939
UniProt ID	Q96SB4
Chromosome Location	6p21.3-p21.2
Function	ATP binding; magnesium ion binding; nucleotide binding; protein binding; protein serine/threonine kinase activity; transferase activity

PDB rendering based
on 1wak.



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