

Recombinant Human SRPK1

Cat. No. SRPK1-30850TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full-length human SRPK1 was expressed by baculovirus in Sf9 insect cells using an N-terminal proprietary tag.
Species	Human
Description	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. Alternative splicing of this gene results in multiple transcript variants. Additional alternatively spliced transcript variants have been described for this gene, but their full length nature have not been determined.
Tissue specificity	Isoform 2 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 is only seen in the testis, at lower levels than isoform 2.
Biological activity	Specific activity: 203nmol/min/mg.
Form	Liquid
Storage buffer	Preservative: None Constituents: 25% Glycerol, 50mM Tris HCl, 150mM Sodium chloride, 0.25mM DTT, 0.1mM PMSF, pH 7.5
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw

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cycles.

Sequence Belongs to the protein kinase superfamily. CMGC Ser/Thr protein kinase
Similarities family. Contains 1 protein kinase domain.

GENE INFORMATION

Gene Name SRPK1 SRSF protein kinase 1 [Homo sapiens]

Official Symbol SRPK1

Synonyms SRPK1; SRSF protein kinase 1; SFRS protein kinase 1; serine/threonine-protein kinase SRPK1; serine/arginine rich splicing factor kinase 1; SFRSK1; SR protein kinase 1;

Gene ID 6732

mRNA Refseq NM_003137

Protein Refseq NP_003128

MIM 601939

Uniprot ID Q96SB4

Chromosome Location 6p21.31

Pathway Herpes simplex infection, organism-specific biosystem; Herpes simplex infection, conserved biosystem; mRNA processing, organism-specific biosystem;

Function ATP binding; ATP binding; magnesium ion binding; nucleotide binding; protein

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binding;

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