

# Recombinant Human SRPK1

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

## SPECIFICATION

<b>Product Overview</b>	Recombinant full-length human SRPK1 was expressed by baculovirus in Sf9 insect cells using an N-terminal proprietary tag.
<b>Species</b>	Human
<b>Description</b>	<p>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.</p>
<b>Tissue specificity</b>	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.
<b>Biological activity</b>	Specific activity: 203nmol/min/mg.
<b>Form</b>	Liquid
<b>Storage buffer</b>	Preservative: None Constituents: 25% Glycerol, 50mM Tris HCl, 150mM Sodium chloride, 0.25mM DTT, 0.1mM PMSF, pH 7.5
<b>Storage</b>	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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