

## Recombinant Human SRPK2 Protein (S2-N688), Tag Free

Cat. No. SRPK2-1069H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human GG-SRPK2(S2-N688 end) Protein was expressed in Insect cell.
<b>Species</b>	Human
<b>Source</b>	Insect Cells
<b>ProteinLength</b>	S2-N688
<b>Description</b>	<p>Serine/arginine-rich protein-specific kinase which specifically phosphorylates its substrates at serine residues located in regions rich in arginine/serine dipeptides, known as RS domains and is involved in the phosphorylation of SR splicing factors and the regulation of splicing. Promotes neuronal apoptosis by up-regulating cyclin-D1 (CCND1) expression. This is done by the phosphorylation of SRSF2, leading to the suppression of p53/TP53 phosphorylation thereby relieving the repressive effect of p53/TP53 on cyclin-D1 (CCND1) expression. Phosphorylates ACIN1, and redistributes it from the nuclear speckles to the nucleoplasm, resulting in cyclin A1 but not cyclin A2 up-regulation. Plays an essential role in spliceosomal B complex formation via the phosphorylation of DDX23/PRP28. Probably by phosphorylating DDX23, leads to the suppression of incorrect R-loops formed during transcription; R-loops are composed of a DNA:RNA hybrid and the associated non-template single-stranded DNA. Can mediate hepatitis B virus (HBV) core protein phosphorylation. Plays a negative role in the regulation of HBV replication through a mechanism not involving the phosphorylation of the core protein but by reducing the packaging efficiency of the pregenomic RNA (pgRNA) without affecting the formation of the viral</p>

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	core particles.
<b>Form</b>	Liquid
<b>Endotoxin</b>	< 0.01 EU per µg of the protein
<b>Purity</b>	90%
<b>Stability</b>	Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade.
<b>Storage</b>	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
<b>Storage Buffer</b>	Supplied as sterile 50 mM Tris-HCl (pH7.5), 200 mM NaCl, 20% glycerol
<b>Shipping</b>	It is shipped out with blue ice.

## GENE INFORMATION

<b>Gene Name</b>	SRPK2 SRSF protein kinase 2 [ Homo sapiens (human) ]
<b>Official Symbol</b>	SRPK2
<b>Synonyms</b>	SRPK2; SRSF protein kinase 2; SFRS protein kinase 2; serine/arginine rich splicing factor kinase 2; SFRSK2; SR protein kinase 2; H_RG152G17.1a; H_RG152G17.1b; WUGSC:H_RG152G17.1a; serine kinase SRPK2; SR-protein-specific kinase 2; serine/threonine-protein kinase SRPK2; serine/arginine-rich splicing factor kinase 2; serine/arginine-rich protein-specific kinase 2; FLJ36101;
<b>Gene ID</b>	6733

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mRNA Refseq	NM_182691
Protein Refseq	NP_872633
MIM	602980
UniProt ID	P78362

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