

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

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

SPECIFICATION

Product Overview	Recombinant Human GG-SRPK2(S2-N688 end) Protein was expressed in Insect cell.
Species	Human
Source	Insect Cells
ProteinLength	S2-N688
Description	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

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	core particles.
Form	Liquid
Endotoxin	< 0.01 EU per µg of the protein
Purity	90%
Stability	Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade.
Storage	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.
Storage Buffer	Supplied as sterile 50 mM Tris-HCl (pH7.5), 200 mM NaCl, 20% glycerol
Shipping	It is shipped out with blue ice.

GENE INFORMATION

Gene Name	SRPK2 SRSF protein kinase 2 [Homo sapiens (human)]
Official Symbol	SRPK2
Synonyms	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;
Gene ID	6733

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mRNA Refseq	NM_182691
Protein Refseq	NP_872633
MIM	602980
UniProt ID	P78362

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