

Recombinant Human SFRS Protein Kinase 2, GST-tagged, Active

Cat. No. SRPK2-436H Lot. No. (See product label)

SPECIFICATION

Product Overview

Recombinant full-length human SRPK2 was expressed by baculovirus in *Sf9* insect cells using an N-terminal GST tag. MW = 135 kDa.

Species

Human

Source

Sf9 Cells

Description

SRPK2 is a member of the serine/arginine (SR) protein-specific kinase family that are cell cycle-regulated protein kinases which phosphorylate SR domain-containing proteins in nuclear speckles and mediate the pre-mRNA splicing events. SRPK2 knock down results in hypophosphorylation of the serine/arginine domain-containing human PRP28 protein thereby destabilizing PRP28 association with the tri-snRNP. RNAi-mediated depletion in HeLa cells showed that SRPK2 is essential for cell viability, and it is required for spliceosomal B complex formation.

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	SRPK2 SFRS protein kinase 2 [Homo sapiens]
Synonyms	SRPK2; SFRS protein kinase 2; SFRSK2; FLJ36101; serine/arginine-rich protein-specific kinase 2; H_RG152G17.1a; H_RG152G17.1b; WUGSC:H_RG152G17.1a; serine kinase SRPK2; EC 2.7.11.1; SR-protein-specific kinase 2; Serine/threonine-protein kinase SRPK2
Gene ID	6733
mRNA Refseq	NM_182691
Protein Refseq	NP_872633
MIM	602980
UniProt ID	P78362
Chromosome Location	7q22-q31.1
Function	ATP binding; magnesium ion binding; nucleotide binding; protein binding; protein serine/threonine kinase activity; transferase activity

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