

Product datasheet for **SC214823**

SRPK2 (NM_182691) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	SRPK2 (NM_182691) Human 3' UTR Clone
Symbol:	SRPK2
Synonyms:	SFRSK2
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_182691
Insert Size:	1494 bp



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Insert Sequence: >SC214823 3'UTR clone of NM_182691
 The sequence shown below is from the reference sequence of NM_182691. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
TGCCTTCGGCATCCTTGTTGAATTCTAGCAAATTCTACCAATATTGCATTCTGAGCTAGCAAATGTT
CCCAGTACATTGGACCTAAACGGTGACTCTCATTCTTTAACAGGATTACAAGTGAGCTGGCTTCATCCT
CAGACCTTTATTTTGCTTTGAGGTAAGTGTGTTGACATTTTGCTTTTTGTGCACTGTGATCCTGGGGA
AGGGTAGTCTTTGTCTCAGCTAAGTAGTTTACTGACCATTTTCTTCTGGAAACAATAACATGTCTCT
AAGCATTGTTTCTGTGTTGTGTGACATTCAAATGTCATTTTTTTGAATGAAAAATACTTTCCCTTTG
TGTTTTGGCAGGTTTTGAACTATTTATGAAGAAATATTTAGCTGAGTACTATATAATTTACAATCTT
AAGAAATTATCAAGTTGGAACCAAGAAATAGCAAGGAAATGTACAATTTTATCTTCTGGCAAAGGGACA
TCATTCCTGTATTATAGTGTATGTAATGCACCCTGTAATGTTACTTTCCATTAATATGGGAGGGGG
ACTCAAATTTAGAAAAGCTACCAAGTCTTGAGTGCTTTGTAGCCTATGTTGCATGTAGCGGACTTTAA
CTGCTCCAAGGAGTTGTGCAAACTTTTCATTCCATAACAGTCTTTTACATTGGATTTTAAACAAAGTG
GCTCTGGGTTATAAGATGTCATTCTCTATATGGCACTTTAAAGGAAGAAAAGATATGTTTCTCATTCTA
AAATATGCATTATAATTTAGCAGTCCCATTGTGATTTTGCATATTTTTAAAAGTACTTTTAAAGAAGA
GCAATTTCCCTTTAAAAATGTGATGGCTCAGTACCATGTCATGTTGCCTCCTCTGGGCGCTGTAAGTTA
AGCTCTACATAGATTAATTTGGAGAAACGTGTTAATTGTGTGGAATGAAAAATACATATATTTTGGGA
AAAGCATGATCATGCTTGTCTAGAACACAAGGTATGGTATATAACAATTTGCAGTGCAGTGGGCAGAATA
CTTCTCACAGCTCAAAGATAACAGTGATCACATTCATTCATAGGTAGCTTTACGTGTGGCTACAACAA
ATTTTACTAGCTTTTTTCATTGTCTTTCCATGAAACGAAAGTTGAGAAAATGATTTTTCCCTTTGCAAGTTG
CACACAGTTTTGTTTATGCATTTCTTAAAATTAATTGTAGACTCCAGGATACAAACCATAGTAGGCAA
TACAATTTTAGAATGTAATATATAGAGGTATATTTAGCCTCTTTTAGAAGTCAAGTGGATTGAATGTCTT
TTTATTTTAAATTTTACATTCATTAAGGTGCCTCGTTTTTGTACTTTGTCCATTAAACATTTATCCATATG
CCTTTGCAATAACTAGATTGTGAAAAGCTAACAAAGTGTGTAACAATAATCCATTGTTTGGAGGTGCTTG
CAGTTGTCTTAAAAATTAAGTGTTTTGGTTTTTTTTTTTCCAGA
ACGCGTAAGCGGCCGCGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
  
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Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 µg dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_182691.3](#)

Summary:

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. 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 core particles.[UniProtKB/Swiss-Prot Function]

Locus ID:

6733

MW:

57.9