

## Product datasheet for **SC118183**

### SRPK1 (NM\_003137) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SRPK1 (NM_003137) Human Untagged Clone
Tag:	Tag Free
Symbol:	SRPK1
Synonyms:	SFRSK1
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene ORF sequence for NM\_003137 edited  
 ATGGAGCGGAAAGTGCTTGCCTCCAGGCCGAAAGAAAAGGACCAAGGCCAAGAAGGAC  
 AAAGCCCAAAGGAAATCTGAAACTCAGCACCGAGGCTCTGCTCCCACTCTGAGAGTGAT  
 CTACCAGAGCAGGAAGAGGAGATTCTGGGATCTGATGATGATGAGCAAGAAGATCCTAAT  
 GATTATTGTAAGGAGGTTATCATCTTGTGAAAATTGGAGATCTATTCAATGGGAGATAC  
 CATGTGATCCGAAAGTTAGGCTGGGACACTTTTCAACAGTATGGTTATCATGGGATATT  
 CAGGGGAAGAAATTTGTGGCAATGAAAGTAGTTAAAAGTGTGAACATTACACTGAAACA  
 GCACTAGATGAAATCCGGTTGCTGAAAGTCAAGTTCGCAATTCAGACCCTAATGATCCAAAT  
 AGAGAAATGGTTGTTCAACTACTAGATGACTTTAAAATATCAGGAGTTAATGGAACACAT  
 ATCTGCATGGTATTTGAAGTTTTGGGCATCATCTGCTCAAGTGGATCATCAAATCCAAT  
 TATCAGGGGCTTCCACTGCCTTGTGCAAAAAATTTATTCAGCAAGTGTTACAGGGTCTT  
 GATTATTTACATACCAAGTGCCGTATCATCCACTGACATTAACCAGAGAACATCTTA  
 TTGTCAGTGAATGAGCAGTACATTCGGAGGCTGGCTGCAGAAGCAACAGAATGGCAGCGA  
 TCTGGAGCTCCTCCGCTTCCGGATCTGCAGTCACTGCTCCCAAGCTAAACCAGCT  
 GACAAAATGTCAAAGAATAAGAAGAAGAAATTGAAGAAGAAGCAGAAGGCCAGGCAGAA  
 TTAGTAGAGAAGCGAATGCAAGAAATTGAGGAAATGGAGAAAGAGTCGGGCCCTGGGCAA  
 AAAAGACCAAACAGCAAGAAGAATCAGAGAGTCTGTTGAAAGACCTTGAAAGAGAAC  
 CCACCTAATAAATGACCAAGAAAACTTGAAGAGTCAAGTACCATTGGCCAGGATCAA  
 ACGCTTATGGAACGTGATACAGAGGGTGGTGCAGCAGAAATTAATTGCAATGGAGTGATT  
 GAAGTCATTAATTATACTCAGAACAGTAATAATGAAACATTGAGACATAAAGAGGATCTA  
 CATAATGCTAATGACTGTGATGTCCAAAATTTGAATCAGGAATCTAGTTTCTAAGCTCC  
 CAAAATGGAGACAGCAGCACATCTCAAGAAACAGACTCTTGTACCTATAACATCTGAG  
 GTGTCAGACACCATGGTGTGCCAGTCTTCTCAACTGTAGTCACTTCACTGAGTGAACAA  
 CACATTAGCCCAACTTCAAGAAAGCATTTCGGGCAGAGATACCTGTGAAGATGAACAAAG  
 CAAGAACATAACGGACCACTGGACAACAAGGAAATCCACGGCTGGAAATTTTCTTGT  
 AATCCCCTTGAGCCAAAAATGCAGAAAAGCTCAAGGTGAAGATTGCTGACCTTGAAAT  
 GCTTGTGGTGCACAAACATTTCACTGAAGATATTCAAACAAGGCAATATCGTTCCTTG  
 GAAGTTCTAATCGGATCTGGCTATAATACCCCTGCTGACATTTGGAGCACGGCATGCATG  
 GCCTTTGAACTGGCCACAGGTGACTATTTGTTGAACTCATTGAGGGAAGAGTACACT  
 CGAGATGAAGATCACATTGCATTGATCATAGAACTTCTGGGAAGGTGCCTCGAAGCTC  
 ATTTGTGGCAGGAAATATTTCAAGGAATTTTCCAAAAAAGGTGACCTGAAACATATC  
 ACGAAGCTGAAACCTTGGGCCCTTTTGTAGGTTCTAGTGGAGAAGTATGAGTGGTGCAG  
 GAAGAGGCAGCTGGCTTACAGATTTCTTACTGCCATGTTGGAGCTGATCCCTGAGAAG  
 AGAGCCACTGCCCGGAGTGTCTCCGGCACCTTGGCTTAACTCCTAA

**5' Read Nucleotide Sequence:** >OriGene 5' read for NM\_003137 unedited  
 GTTCAAAATTTGTAATACGACTTCACTATAGGGCGGCCGGAATTCGCACGAGGGCCTGG  
 CGATTACCGGTCTACCATGGAGCGGAAGTGCTTGCCTCCAGGCCGAAAGAAAAGGAC  
 CAAGGCCAAGAAGGACAAAGCCAAAGGAAATCTGAAACTCAGCACCGAGGCTCTGCTCC  
 CCACTCTGAGAGTGATCTACCAGAGCAGGAAGAGGAGATTCTGGGATCTGATGATGATGA  
 GCAAGAAGATCCTAATGATTATTGTAAGGAGGTTATCATCTTGTGAAAATTGGAGATCT  
 ATTCAATGGGAGATACCATGTGATCCGAAAGTTAGGCTGGGACACTTTTCAACAGTATG  
 GTTATCATGGGATATTGAGGGAAGAAATTTGTGGCAATGAAAGTAGTTAAAAGTGTGA  
 ACATTACACTGAAACAGCACTAGATGAAATCCGGTTGCTGAAAGTCAAGTTCGCAATTCAGA  
 CCCTAATGATCCAAATAGAGAAATGGGTTGTTCAACTACTAGATGACTTTAAAATATCAG  
 GAGTAAATGGAACACATATCTGCATGGATNTTGAAGTTTNTGGGCATCATCTGCTCAAG  
 TGGATCATCAAATCCAATTATCAGGGGCTTCCACTGCCTTGTGTCAAAAAATTTATTCAG  
 CAAGTGTACANGGTCTTGATTATTTACATACCAAGTCCGTATCATCCACTGACAT  
 TAAACCAGAGAACATCTTATTGTGAGTGAATGAGCAGTACATTCGGGAGCTGGCTGCAGA  
 GCAACAGATGGCAGCGATCTGGAGCTCCTNCGCTTNCAGATCTGCAGTCACTGCTCC  
 CCAGCCTAAACCAGCTGACAAAATGGTCAAAGAATAGAAGAAGAAATGNAGAAGAAGCA  
 GAAGGCCAGGCAGAATTACTAGAGAAGCG

<b>3' Read Nucleotide Sequence:</b>	>OriGene 3' read for NM_003137 unedited GCCGCAATCTAAAGTCGAGTTTTTTTTTTTTTTTTTTTGTATTAAATAATTTGTTTATTG TACGGCATTACAAAAAACAACAATGCCCTCAGTAGAAAGAATAAAAAATGTATTTAG GGCTTTATTTTAACTGACAGCAATAGAAATCCTTTAGTGAGATCGTGGCAATTTGACA GTATTATAATTAAGCTCAATAAAGGTACATGGGTACCTGGAAAAATCAAGATCTACAGCT GCCTATTTCCACATCTTCAATCCATCTGGCTCCTTAAATAGGGGAAAAAGCCCTTATTT GGTGAGAAGCATTTCAAAATGAAGTTACAGGTTCTATTA AAACTTACTGTCACATCAA CTGTTAAAAATAGGCCTTTTGTGTTTTGTTATTTACCTTAATATCACCAGAATTCCTGT AATTCCACAATTGTGATTTTACTATGTAGAAGAATAATTCAGTTCAGTCTATTGCTTTA GATGTA AAAACAGCTGAAAACCCAAAGTGGATTAGAATTGCTGAAGGATTTCCCTGCCGT TGTTTGATACAATCTATTCTCTTGATTCTTGATAGGTGCATAGAAAGCCTAACTAAAAAT TCTTTCTCAGGAACATGTCTGATTT CAGGAGTACCCATGAANGGATCCGATGAATGGCTG GCCAGTACTCAGAGTAATATGTTNATGAAGTAAATGGATGCATAACGGCACACTTTNNC TTTNCCTGNNGTGATAATGACAAGTAGATTCCAATCTCTGATAGAAAGGTGGTACCAAA AGCTNACTGTGGCTTGTAGCAAGCCTCAGATGACCTTTGGCCTTCTGAAAATCAGGCTAA AGCCTTTNAGAACGCTGATCCCAGGCCACTTTGTCATGCTAAAAACGGTTGGACCCAAC TGCTTTTTTGGCTTCNNNTACTCTGGGAATGGAATTTTGGCAGCTGGAAGGGTTCTAA AAAAAA
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_003137
<b>Insert Size:</b>	4480 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_003137.3</a> , <a href="#">NP_003128.3</a>
<b>RefSeq Size:</b>	4361 bp
<b>RefSeq ORF:</b>	1968 bp
<b>Locus ID:</b>	6732
<b>UniProt ID:</b>	<a href="#">Q96SB4</a>
<b>Cytogenetics:</b>	6p21.31
<b>Domains:</b>	pkinese, TyrKc, S_TKc

**Protein Families:** Druggable Genome, Protein Kinase

**Gene Summary:** 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.[provided by RefSeq, Jul 2010]

Transcript Variant: This variant (1) represents the shorter transcript.