

Product datasheet for **SC323371**

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>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC323371 sequence for NM_003137 edited (data generated by NextGen Sequencing)

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ATGGAGCGGAAAGTGCTTGCCTCCAGGCCGAAAGAAAAGGACCAAGGCCAAGAAGGAC
AAAGCCCAAGGAAATCTGAACTCAGCACCGAGGCTCTGCTCCCCACTCTGAGAGTGAT
CTACCAGAGCAGGAAGAGGAGATTCTGGGATCTGATGATGATGAGCAAGAAGATCCTAAT
GATTATTGTAAAGGAGGTTATCATCTTGTGAAAATTGGAGATCTATTCAATGGGAGATAC
CATGTGATCCGAAAGTTAGGCTGGGACACTTTTCAACAGTATGGTTATCATGGGATATT
CAGGGGAAGAAATTTGTGGCAATGAAAGTAGTTAAAAGTGTGAACATTACACTGAAACA
GCACTAGATGAAATCCGTTTGTGAAAGTCAAGTTCGCAATTCAGACCCTAATGATCCAAAT
AGAGAAATGGTTGTTCAACTACTAGATGACTTTAAAATATCAGGAGTAAATGGAACACAT
ATCTGCATGGTATTTGAAGTTTTGGGCATCATCTGCTCAAGTGGATCATCAAATCCAAT
TATCAGGGGCTTCCACTGCCTTGTGTCAAAAAAATTATTCAGCAAGTGTTACAGGGTCTT
GATTATTTACATACCAAGTGCCGTATCATCCACTGACATTAACCAGAGAACATCTTA
TTGTCAGTGAATGAGCAGTACATTCGGAGGCTGGCTGCAGAAGCAACAGAATGGCAGCGA
TCTGGAGCTCCTCCGCTTCCGGATCTGCAGTCAGTACTGCTCCCCAGCCTAAACCAGCT
GACAAATGTCAAAGAATAAGAAGAAGAAATTGAAGAAGAACAGAAAGCCAGGCAGGAGAA
TTACTAGAGAAGCGAATGCAAGAAATTGAGGAAATGGAGAAAGAGTCGGGCCCTGGGCAA
AAAAGACCAAAACAAGCAAGAAGAATCAGAGAGTCTGTTGAAAGACCCTTGAAAGAGAAC
CCACCTAATAAATGACCAAGAAAACTTGAAGAGTCAAGTACCATTGGCCAGGATCAA
ACGCTTATGGAACGTGATACAGAGGGTGGTGCAGCAGAAATTAATTGCAATGGAGTGATT
GAAGTCATTAATTATACTCAGAACAGTAATAATGAAACATTGAGACATAAAGAGGATCTA
CATAATGCTAATGACTGTGATGTCCAAAATTTGAATCAGGAATCTAGTTTCCTAAGCTCC
CAAAATGGAGACAGCAGCACATCTCAAGAAACAGACTCTTGTACACCTATAACATCTGAG
GTGTCAGACACCATGGTGTGCCAGTCTTCCCTCAACTGTAGGTCAATTCAGTGAACAA
CACATTAGCCAATTCAAGAAAGCATTCCGGCAGAGATACCCTGTGAAGTGAACAAGAG
CAAGAACATAACGGACCACTGGACAACAAGGAAAATCCACGGCTGGAAATTTTCTTGT
AATCCCCTTGAGCCAAAAATGCAGAAAAGCTCAAGGTGAAGATTGCTGACCTTGAAAT
GCTTGTGGGTGCACAAACATTTCACTGAAGATATTCAAACAAGGCAATATCGTTCCTTG
GAAGTTAATCGGATCTGGCTATAATACCCTGCTGACATTTGGAGCACGGCATGCATG
GCCTTTGAACTGGCCACAGGTGACTATTTGTTTGAACCTATTGAGGGGAAGGTACACT
CGAGATGAAGATCACATTGCATTGATCATAGAACTTCTGGGGAAGGTGCCTCGAAAGCTC
ATTGTGGCAGGAAAATATCCAAGGAATTTTCCAAAAAAGGTGACCTGAAACATATC
ACGAAGCTGAAACCTTGGGGCCTTTTTGAGGTTCTAGTGGAGAAGTATGAGTGGTCGCAG
GAAGAGGCAGCTGGCTTACAGATTTCTTACTGCCCATGTTGGAGCTGATCCCTGAGAAG
AGAGCCACTGCCCGGAGTGTCTCCGGCACCTTGGCTTAACTCCTAA
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Clone variation with respect to NM_003137.4

5' Read Nucleotide Sequence:	>OriGene 5' read for mutant NM_003137 unedited ACCGCCGTTGAGCAATGGGCGGTAGGCGGTACGGCGGGAGGTCTATATAAGCAGAGCTCGTTTAGTGAA CCGTCAGAATTTTGAATACGACTACTATAGGGCGGCCGCAATTCGGCACGAGGGCCTGGCGATTACC GGTCTCACCATGGAGCGGAAAGTCTTGCCTCCAGGCCGAAAGAAAAGGACCAAGGCCAAGAAGGACA AAGCCAAAGGAAATCTGAACTCAGCACCGAGGCTCTGCTCCCCACTCTGAGAGTGATCTACCAGAGCA GGAAGAGGAGATTCTGGGATCTGATGATGATGAGCAAGAAGATCCTAATGATTATTGTAAGGATGTTAT CATCTTGTGAAAATTGGAGATCTATTCAATGGGAGATACCATGTGATCCGAAAGTTAGGCTGGGGACACT TTCAACAGTATGGTTATCATGGGATATTCAGGGGAAGAAATTTGTGGCAATGATGGTAGTTAAAAGTGC TGAACATTACACTGAAACAGCACTAGATGAATCCCGTTGCTGAAAGTCAGTTCGCAATTTAGACCTAT GATCCAAATAGAGAAATGGTTGTTCACTACTAGATGACTTTAAAATATCAGGAGTTAATGGAACACATA TCTGCATGGTATTTGAAGTTTTGGGCATCATCTGCTCAGGTGGATCATCAATCCAATTATTCAGGGC TTCCACCTGCCTTGTGCAAAAATTATTCAGCAAGTGTGTACAGTTCTTGAATTATTTACATACAA GTGGCCGTTATCATTCCACAACCTGACTTAACCAGAGAACTTCTTTATTTGTCATGGATGGACAGCTTC GAGGCGTGCCTCCAAGAGACACAGAAATGGCACCGATTCCGGACTCTCTCGGTTCCGATTTCGAGAT CCAGTATCGCGTTCCAGCTAACAGTTTCCGAAAATGTGTCCGAGAATAGAGA
Kinase Domain Sequence:	>SC323371 kinase domain raw sequence. By performing BLASTX analysis with this sequence against NCBI reference protein database, you can confirm the presence of the kinase-deficient mutation GGACTATTCATGGGAGWACCATGTGATCCGAAAGTTAGGCTGGGGACACTTTTCAACAGTATGGTTATCA TGGGATATTCAGGGGAAGAAATTTGTGGCAATGATGGTAGTTAAAAGTGTGAACATTACACTGAAACAG CACTAGATGAAAATCCGGTTGCTGAAGTCAGTTCGCAATTCAGACCCTAATGATCCAAATAGAGAAATGGT TGTTCACTACTAGATGACTTTAAAATATCAGGAGTTAATGGAAC
Restriction Sites:	Please inquire
ACCN:	NM_003137
Insert Size:	4480 bp
OTI Disclaimer:	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).
OTI Annotation:	This kinase-deficient mutant clone was generated by created by site-directed mutagenesis from the corresponding wild-type clone. See details in "Application of active and kinase-deficient kinome collection for identification of kinases regulating hedgehog signaling." Cell, 2008 May p536-548.
Components:	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).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.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.
RefSeq:	NM_003137.3 , NP_003128.3

RefSeq Size:	4361 bp
RefSeq ORF:	1968 bp
Locus ID:	6732
UniProt ID:	Q96SB4
Cytogenetics:	6p21.31
Domains:	pkinase, TyrKc, S_TKc
Protein Families:	Druggable Genome, Protein Kinase
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) represents the shorter transcript.</p>