

## Product datasheet for **MR211276**

### **Srrm1 (BC094322) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Srrm1 (BC094322) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Srrm1
Synonyms:	POP101, Srm160
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR211276 representing BC094322  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGACGCGGGATTCTTCCGCGGAACAAGTGGGAGCAGGATAATCGGTTGAGCAACAAACAGAAGAAAC  
 TCCTCAAGCAGCTGAAATTTGCAGAATGCTTAGAAAAAAGGTGGACATGAGCAAAGTAAATTTGGAGGT  
 TATAAAGCCTTGATAACCAAAAAGAGTAACTGAGATCCTTGATTGCAAGATGATGTTGTCATTGAGTTT  
 ATATTCACCAGCTGGAAGTGAAGAACCAGATTCCAAAATGATGCAAATCAACCTGACTGGGTTTTTGA  
 ATGGGAAGAAATGCTAGAGAATTCATGGGAGAGCTGTGGCCCTGCTGTTGAGTGCACAAGAAAATATCGC  
 CGGAATCCCTTCTGCTTCTAGAGTTGAAGAAGGAAGAGATAAAGCAGAGACAAATTGAACAAGAAAA  
 TTGGCGTCTCTGAAAAACAAGATGAAGATAAAGATAAAGAGGATAAGGAAGAAAAGGAAAGCAGCAGAG  
 AGAAGAGGGAGCGGTCTCGCAGCCCAAGAAGACGCAAATCCAGATCTCCTTCCCCTAGAAGACGATCTTC  
 CCCTGTCAGGAGAGAGAAAAGCGCAGTCACTCTCGATCTCCCCGTACAGAACCAAGAGCCGGAGCCCT  
 TCCCCTGCCCCAGAAAAGAGGAGAAATCTCCAGAGCTCCCAGAGCCATCCGTGAGGATGAAGGACTCCT  
 CAGTACAGGAGGCCACCTCTACAAGTGACATCTTGAAAGCTCCCAAGCCTGAGCCTGTACCAGAGCCCAA  
 AGAACCGTCTCCAGAAAAAATCCAAAAGGAAAAGGAAAAGACTCGACCAAGATCTCGGTACAGATCC  
 AAATCTCGGTCTCGGACCCGATCTCGATCACCTTCTCATACTAGACCAAGACGGAGACATAGATCCCGAT  
 CAAGATCATACTCTCTAGAAGGCGGCCAAGCCCAAGACGACGACCATCTCCCCGAAGAAGAACTCCACC  
 AAGACGGATGCCTCCTCCACCAAGGCACCGGAGGAGTAGGTCTCCAGGGAGACGAAGGAGCGTCTTCC  
 GCATCCCTGTCTGGAAGTAGCTCGTCTCTCATCTCGTCCCGGTACCACCAAGAAACCTCCCA  
 AGAGACATCCAGCCCTCTCGAAAACGCGTAGGTTATCACCTTCAGCAAGTCTCCACGGCAGAGACA  
 CCGGCCGTATCTCCAGCAACTCCGCCACCCAAAACCTCGCCATTCCCCAACTCCCAGCAGTCAAACCGT  
 ACAAGAAAAAGTCTGTGTTCTGTGTCTCCAGGAAGAACCTCCGGTAAAGTGACAAAAACATAAAGGTACTG  
 AGAAAAGAGAGTACCTTCTCCAGCACCAAGCCTAGAAAAGTGGAGCTGTCTGAGTCTGAAGAAGACAA  
 AGGCAGCAAAATGGCTGCAGTGATTCTGTGCAGCAGAGAAGACAATACCGACGGCAGAACCAGCAGTCT  
 TCATCTGACTCTGGCTCCTTCCACCTCAGAAGATGAGCGGCCAAGAGATCCCATGTAAGAAGCGGTG  
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 GACTTCCCCTCGGATGCAGATGGGAAAGCGATGGCAGTACCAGTGAATAAAGTAGTAGAAGGAGGAGA  
 AGTCCCTCTCCCCTCCTGCCAGAAGGCGAAGGTCTCTTCTCCAGCCCCTCCGCCACCTCCCCTC  
 CTCTCTCGGGCGGCAGATCTCCACCCACCACCAGCAGCAAGGACCCTTCTCTCCCCACGCCG  
 CCGCTCACCGTCTCCAAGAAGATACTCTCTCCATTAGAGGAGATACTCTCTTCCCCCTCCAAAG  
 AGGAGAACCGCTCCCCCGCCCGCCCAAGCGAAGGGCATACCATCTCCACCACCAAGCGCCGGG  
 TCTCCACTCTCCACCTCCTAAACAAAGAAGCCCCACAGTACCAAGAGACGCTCGCCCTCCTTATCTTC  
 AAAACATAGGAAAGGGTCTTCCCAGGCCGATCCACCCGGGAGGCCCGCTCACCACAACCAAAACAAACGG  
 CATTGCGCCTCACCACGGCTCGGGTCTCAGACCTCAAGCCCTCCCCTGTACGAAGAGGAGCTTCAG  
 CGTCACCCCAAGGAAGGCAGTCCCATCTCCAAGTACTAGGCCTATTAGGAGAGTCTCCAGGACCCCGGA  
 GCCAAAAAAGATAAAAAAGGCTGCCTACCAAGCCCTCAGTCCGTAAGAAGGGTTTCATCTTCCAGATCTG  
 TCTCTGGATCTCTGAGCCAGCAGCTAAAAAGCCGCCAGCACCTCCCTCTCTGTGCAGTCTCAGTACC  
 CTCCACAAAAGTGGTACCTGCAGTACCAGCAAAAAGGCTAAGAGCCCAACACCAAGCCTGTCCCCTGCC  
 CGGAATTTCTGATCAAGAAGGAGGTGGGAAGAAAAAGAAAGAAAGGACAAGAAACACAAGAAGGATA  
 AGAAACACAAGAAGCACAAAAACACAAGAAGGAGAAAGGCTGTGACCATAGCCACCCAGCTACTGCAGC  
 CCCTGCAGCTGTTTCTGTGCCACCACCATCAGCACAGGAAGAGCCTGCAGCAGCACCAGAGCCAGG  
 AAGGAGACTGAGAGTGAAGCTGAAGATGACAACCTTGATGACCTAGAGAGGCACCTGCGGGAGAAGGCC  
 TGCGGTCCATGCGGAAGGCTCAAGTGTCCACAGTCC

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTAA

Protein Sequence: >MR211276 representing BC094322  
 Red=Cloning site Green=Tags(s)

MDAGFFRGTSAEQDNRFSNKQKLLKQLKFAECLEKKVDMKVNLEVIKPWITKRVTEILGFEDDVVIEF  
 IFNQLEVKNPDSKMMQINLTGFLNGKNAREFMGELWPLLLSAQENIAGIPSAFLELKKEEIKQRQIEQEK  
 LASLKKQDEDKDKRDKEEKESSREKRERSRSPRRRKSRSPPRRRSPVRRERKRSHRSRPRHRTKSRSP  
 SPAPEKKEKSPELPEPSVRMKDSSVQEATSTSDILKAPKPEPVPEPKEPSPEKNSKKEKEKTRPRSRSRS  
 KRSRSTRSRSPSHTRPRRRHRSRSYSPPRRRSPRRRTPPRRMPPPRHRSRSPGRRRRSS  
 ASLSGSSSSSSSRSPPKKPPKRTSSPPKTRRLSPSASPPRRRHRPSSPATPPPKTRHSPTPQQSNR  
 TRKSRVSVSPGRTSGKVTKHKGTEKRESPPAPKPRKVELSESEEDKGSKMAAADSQQRRQYRRQNQQS  
 SSDSGSSSTSEDERPKRSHVKNGEVGRRRRHSPRSASPSPRKQKETSPRMQMGKRWQSPVTKSSRRRR  
 SPSPPPARRRRSPSPAPPPPPPPRRRRSPTPPRRRTPSPPPRRRSPSPRRYSPIQRRYSPPPPK  
 RRTASPPPPKRRASPSPPKRRVSHSPPKQRSPTVTKRRSPSLSSKHRKGSSPGRSTREARSPQPNKR  
 HSPSPRPAPQTSPPPVRGASAPQGRQSPSPSTRPIRRVSRTPEPKIKKAASPSTRPIRRVSRTPE  
 PKKIKKAASPSPQSVRRVSSRSVSGSPEAAKKPPAPPSPVQSQSPSTNWSPAVPAKKAKSPTPLSPA  
 RNSDQEGGGKKKKKKDKKHKKDKKHKKHKKHKKEKAVTIATPATAAPAAVSAATTTSAQEPAAPPEPR  
 KETESAEDDNLDDLERHLREKALRSMRKAQVSPQS

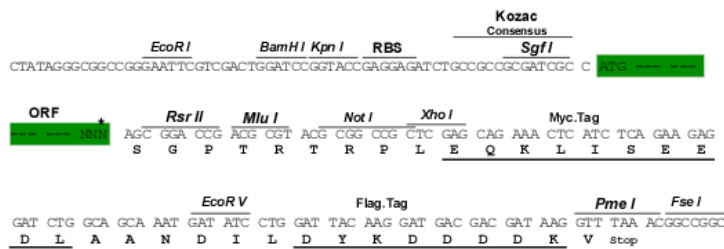
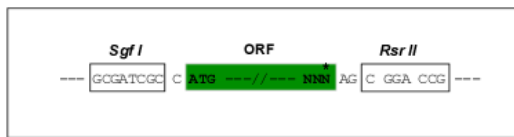
SGPTRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: [https://cdn.origene.com/chromatograms/mm9043\\_a12.zip](https://cdn.origene.com/chromatograms/mm9043_a12.zip)

Restriction Sites: SgfI-RsrII

Cloning Scheme:

Cloning sites used for ORF Shuttling:



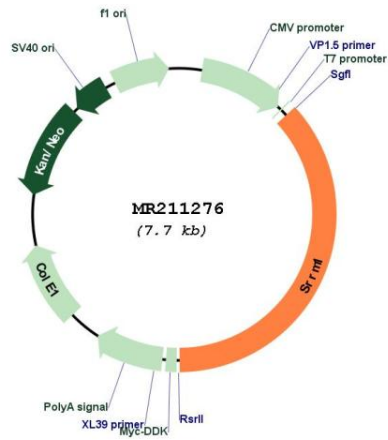
\* The last codon before the Stop codon of the ORF

ACCN: BC094322

ORF Size: 2838 bp

<b>OTI Disclaimer:</b>	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a></p>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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="#">BC094322.1</a>
<b>RefSeq Size:</b>	3112 bp
<b>RefSeq ORF:</b>	2840 bp
<b>Locus ID:</b>	51796
<b>Cytogenetics:</b>	4 D3
<b>MW:</b>	114.1 kDa
<b>Gene Summary:</b>	<p>Part of pre- and post-splicing multiprotein mRNP complexes. Involved in numerous pre-mRNA processing events. Promotes constitutive and exonic splicing enhancer (ESE)-dependent splicing activation by bridging together sequence-specific (SR family proteins, SFRS4, SFRS5 and TRA2B/SFRS10) and basal snRNP (SNRP70 and SNRPA1) factors of the spliceosome. Stimulates mRNA 3'-end cleavage independently of the formation of an exon junction complex. Binds both pre-mRNA and spliced mRNA 20-25 nt upstream of exon-exon junctions. Binds RNA and DNA with low sequence specificity and has similar preference for either double- or single-stranded nucleic acid substrates.[UniProtKB/Swiss-Prot Function]</p>

Product images:



Circular map for MR211276