

Product datasheet for **MC219631**

Srrm4 (NM_026886) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Srrm4 (NM_026886) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Srrm4
Synonyms:	1500001A10Rik; B230202K19Rik; bv; mKIAA1853; nSR100
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC219631 representing NM_026886
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCTAGCCTGCAGCAGGGCGAGAAACAGCTGTTTGAGAAGTTCTGAAAGGGACCTTCAAAGCAGTGG
 CCACTCCGCGTCCCGAGAGCATCATCGTCGCCAGTATCACAGCCCGCAAGCCGATGCCAAGGACAGAGCC
 CCAGAGCAGTCTCTTGCTCCAGATCAGGATGGACCTTCAGAAAAGCTGGGCCAACATCTGGCCCTGAG
 GCCCTGGGTACCAACAGCTGGGGAAGAGAGAAGGCCTGCAGGAACTGGATCCTGCCAGAGCACACAGTG
 CCTCTCAAGACAGAGACCCGACACCACCACCTTCTCCAGGGGAAAAAGAAAAAGAAATCAACCAG
 GAAAAAGAGGAGGAGTCCCGTCTACAGCCATCACCAGTCAAGAAGAAGAAGAAAAAGCTCCAAG
 AAACATAAGCGACACAGTCTTTCTCAAGAAAAGGAGACACAGTCTGTAGCCCTAAAAGCAAAGAC
 GGAAGAGAAGAGGCACAAAAACAATCTGAAGCCGGAAGTCTACCGACATAGACATCCCGATGCC
 CTAAGGTCCCAGAGTTCGGAATGCGCTCCCCAGCTGCGAGAGCAGGCATCGAGTCCGTCCTGAG
 GAAGGGCGGAAATCCCGCGAACACACTCCCGCCGCTGCTCCAAGAACCCTGCAAGGTCAGCCAGACG
 CCCGGTCCAGCCACCTGCCAGCCAGCCCTCCCGAGGCTCGGCTTCTGTGAGCCAGGGGTGTAATCAC
 TGGGTCCGGGTCCCGCGGTGACCTCTTTAGCAAATCGGCCAGCCCTCTCGCCGCCACCCGAGGGCGCTCG
 CAGGAGTACGACTCGGGCAATGACACGTCTCGCCGCCCTCCACGCAAACCAGCTCGGCCAGGTCTCGGG
 GCCAGGAGAAGGGGAGTCCCGTGGGGATCTAAGCAAGAGTGCAGACCTCAACTGTGGCAACACCTCCGA
 TTCAGGAACTCCTTACCACCTCTCCCCCAGAACAAGGGGGTGTCTTGGAGACTGTCTCTCCCGCC
 TGCAGGAGCAGAGTCAAGAGGGTTTCAGTCCCATGTCTCCAGTGTGCAGAGGTGAAGAAGTCTAGTT
 TGGTCCCATCCACAGCCCGGAGTCCCCCATCAAAGAGTGTCTCCGTAGCTCCTCTACACCAGCACTCG
 ATCCTCCAGTCCCTCATCCAGGTCCCCAACCCAGAGCTTCCCCAGGTACACCCGGAGTCCGTCACCC
 TCCTCTGAAAAAGGTCCTACTCTCGCTCTCCAGCTATTCGTCCAAGTCTGGCAAGAGGAGCCACCTA
 GCAGAAGTCCAGGTCTCGTCGAAGTCCAGCTACTCTCGCTACAGCCCGCAGGGAACGGGACCTAAA
 GTATGGTGAGAAAGAACCACAGCCCGAGAAGTGCAGCAGGAGGCGACGGTCTACTACCCATGAGG
 AAGCGCAGGAGAGACTCCCCAAGCCACCTGGAGGCTCGGAGGATAACCAGTCCCCGCAAACGCCCATCC
 CCTACTACCGACCCAGCCCTCTCGTCCAGCAGCCTCAGCAGCGCTCCTCTGGTACAGCAGCAGCAG
 CAGCAGCAGCAGTAGCAGCCGCTCCCTAGCCGAGTTACTCCGGAGCCGGAGTCCCAGTCCGAGC
 CACAGCAGCCGGAGCCAGACCCGGAGCAGGACCGGACCAGCCGAGCTCCAGTTCTCGCAGCCTAGCC
 TGGGCTCCCGAGCCGAGTCCGAACCCGAGCCTGAGCTACAGCTCGGCAGAAAGCTATGCCAGCAGGAG
 GCG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_026886
- Insert Size:** 1827 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).
- 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:

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_026886.3](#), [NP_081162.1](#)

RefSeq Size: 7476 bp

RefSeq ORF: 1827 bp

Locus ID: 68955

UniProt ID: [Q8BKA3](#)

Cytogenetics: 5 F

Gene Summary: Splicing factor specifically required for neural cell differentiation. Acts in conjunction with nPTB/PTBP2 by binding directly to its regulated target transcripts and promotes neural-specific exon inclusion in many genes that function in neural cell differentiation. Required to promote the inclusion of neural-specific exon 10 in nPTB/PTBP2, leading to increased expression of neural-specific nPTB/PTBP2. Also promotes the inclusion of exon 16 in DAAM1 in neuron extracts (PubMed:19737518). Promotes alternative splicing of REST transcripts to produce REST isoform 2 (REST4) with greatly reduced repressive activity, thereby activating expression of REST targets in neural cells (PubMed:21884984). Plays an important role during embryonic development as well as in the proper functioning of the adult nervous system. Regulates alternative splicing events in genes with important neuronal functions (PubMed:25838543).[UniProtKB/Swiss-Prot Function]