

Product datasheet for **MC222337**

Srrt (NM_031405) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Srrt (NM_031405) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Srrt
Synonyms:	2810019G02Rik; Ars2; Asr2; ASR2A; ASR2B; ASR2C; ASR2D
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC222337 representing NM_031405
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGTGACAGTGATGATGAATACGACCGAAGACGCAGGGACAAATTTCAAGAGAGCGCAGCGATTATG
 ACCGTTCCCGGAAAGGGATGAAAGACGGCGAGGGGACGATTGGAATGACCGAGAGTGGGACCGTGCCG
 GGAGCGCCGAGTCGGGGTGAATATCGAGACTACGACAGGAACCGAAGGGAGCGCTTCTCTCCCCCTCGA
 CACGAACTAAGCCCCCCCCAGAAGCGCATGCGGAGAGACTGGGATGAGCACAGCTCTGACCCATACCACA
 GTGGCTATGACATGCCCTATGCTGGGGGGGTGGGGACCAACTTACGGCCCCCTCAGCCCTGGGGCCA
 CCCAGACGTCCACATCATGCAGCACCATGTCTGCCCATCCAGGCCAGGCTGGGCAGCATCGCAGAGATT
 GACTTGGGGGTGCCACCGCCATAATGAAGTCCTTCAAAGAGTTCCTCTGTCTCTGGATGACTCTGTGG
 ATGAGACAGAGGCAGTTAAACGCTACAATGACTACAAGCTGGACTCCGAAGGCAGCAGATGCAGGACTT
 TTTCTGGCTCACAAGACGAGGAGTGGTTCGGATCTAAGTACCACCCTGATGAGGTGGGAAAGCGTCGG
 CAGGAGGCCCGGGGGCCCTGCAGAACCGCTGAAGGTGTTCTGTCCCTCATGGAGAGTGGCTGGTTTG
 ATAACTTCTCTTGACATAGACAAAGCTGATGCCATTGTCAAGATGCTAGATGCAGCTGTCATTAGAT
 GGAAGGTGGCACAGAGAACGATCTCCGAATTTTGGAGCAGGAGGAGGAGGAACAGGCAGGCAAGACT
 GGGGAGGCCAGCAAGAAAGAGGAGGCCGCTGCTGGACCAGCCCTGGGAGAAGGAGAGCGCAAAGCCAATG
 ATAAGGATGAGAAGAAAGAGATGGAACACAGGCTGAGAATGACAGTTCCAACGATGACAAAATAAAAA
 ATCTGAGGGTGTGGGGACAAGGAGGAGAAGAAAGAGGCTGAGAAGGAAGCCAAAAGAGCAAGAAG
 CGGAACAGGAAGCAGAGTGGCGATGACAGCTTCGATGAGGGCAGTGTGTCGAGTCTGAGTCCGAGTCTG
 AGGGTGGCCAGGCCAGGAGGAGAAGGAGGAGGCCGAAGAAGCACTTAAAGAAAAGGAGGACCCAAAGA
 GGAGGAGAAGGAGAAGCCCTAAGGATGCTCAGGGTTGGAGTGTAAAGCCCGGCCCTTGCATAAGACTTGC
 TCTCTTTCATGCGCAACATCGCACCCAACATTTCAAGGGCAGAGATCATTTCTTTTGTAAACGATACC
 CAGGCTTTATGCGAGTGGCACTGTGAGGCCAGCCAGAGAGGAGGTTTTTTTCGCCGTGGCTGGGTGAC
 TTTTGACCGCAGTGTTAACATTAAGGAGATCTGTTGGAACCTGCAGAACATTCGGCTCCGGGAGTGTGAA
 CTGAGTCCCGGTGTGAACAGAGACCTGACCCGTCGTGTCGCAACATAAATGGCATTACACAGCACAAGC
 AGATAGTGCCAATGACATCAAGTTGGCAGCCAAGCTAATCCACACACTGGATGACAGGACCCAGCTCTG
 GGCCTCTGAGCCTGGGACGCTCCTGTGCCACAAGCCTCCCTCGAAAACCCATCCTGAAGAACATC
 ACTGACTACCTGATTGAGGAAGTGAAGTGGGAGGAGGAGGAGCTTCTGGGAGCAGTGGGGACCCCTC
 CTGAGGAGCCTCCAAGGAGGGCAACCCAGCCGAGATCAACGTGGAGAGAGATGAGAAGCTGATCAAGGT
 CTTGGATAAACTTCTTCTATTTGCGTATTGTGCATTCTCTGGATTATTATAACACCTGTGAGTACCCT
 AATGAAGACGAGATGCCCAACCGCTGTGGCATAATCCACGTTTCGGGGGCCATGCCTCCCAACCGAATTA
 GTCACGGAGAAGTGTGGAGTGGCAGAAGACATTTGAGGAGAACTGACTCCACTGTTGAGTGTGCGTGA
 ATCCCTTTCTGAGGAAGAGGCCAGAAGATGGGTGCAAAAGACCCAGAGCAGGAAGTGGAGAAGTTTGTG
 ACCTCCAACACGCAGGAAGTGGCAAGGATAAGTGGCTATGTCCTCTCAGTGGCAAGAAATCAAGGGCC
 CGGAGTTTGTGCGCAAGCATATCTTCAATAAGCATGCCGAGAAGATCGAGGAGGTGAAGAAGGAGGTGGC
 GTTCTTCAATAACTTTCTCACAGACGCCAAGCGCCAGCTTTGCCTGAGATCAAGCCAGCTCAGCCACCT
 GGCCCTGCCAGATACTCCCCCAGGCCTGACCCAGGACTTCCCTACCCACATCAGACGCCACAGGGCT
 TGATGCCATATGGTCAGCCCCGGCTCCCATCTTGGGCTATGGAGCTGGTGTGTCGCCCTGCAGTCCC
 AACAGGAGGGCTCCATACCCCATGCTCCATATGGTGCCGGCCGTGGAACTATGATGCTTTTCGAGGC
 CAAGGCGGTTATCCTGGGAAACCTCGGAACAGGATGGTTCGAGGAGACCAAGGGCCATAGTGGAGTATC
 GGGACCTGGATGCCCGGATGATGTTGACTTCTTT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_031405
Insert Size: 2628 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:	<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_031405.2 , NP_113582.1
RefSeq Size:	3039 bp
RefSeq ORF:	2628 bp
Locus ID:	83701
UniProt ID:	Q99MR6
Cytogenetics:	5 G2
Gene Summary:	Acts as a mediator between the cap-binding complex (CBC) and the primary microRNAs (miRNAs) processing machinery during cell proliferation. Contributes to the stability and delivery of capped primary miRNA transcripts to the primary miRNA processing complex containing DGCR8 and DROSHA, thereby playing a role in RNA-mediated gene silencing (RNAi) by miRNAs. Binds capped RNAs (m7GpppG-capped RNA); however interaction is probably mediated via its interaction with NCBP1/CBP80 component of the CBC complex. Involved in cell cycle progression at S phase. Does not directly confer arsenite resistance but rather modulates arsenic sensitivity. Independently of its activity on miRNAs, necessary and sufficient to promote neural stem cell self-renewal. Does so by directly binding SOX2 promoter and positively regulating its transcription.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) encodes the longest isoform (1).