

## Product datasheet for **SC201143**

### ARS2 (SRRT) (NM\_001128853) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	ARS2 (SRRT) (NM_001128853) Human 3' UTR Clone
Symbol:	ARS2
Synonyms:	ARS2; ASR2; serrate
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_001128853
Insert Size:	145 bp
Insert Sequence:	>SC201143 3'UTR clone of NM_001128853 The sequence shown below is from the reference sequence of NM_001128853. The complete sequence of this clone may contain minor differences, such as SNPs. <b>Blue</b> =Stop Codon <b>Red</b> =Cloning site  GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAA <b>GCGATCGCC</b> GATGCCCCAGACGATGTTGATTCTTT <b>TGA</b> GCCGTCCTCAGTCTGTATCATCCATACTTG TACTACCTTGCCTATGAAGCTCTGAGAATTTTTGTACGATCAGCCTTACTGCTAATAAAAGCACTTC CACAGGG <b>ACGCGT</b> AAGCGCCGCGGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
Restriction Sites:	Sgfl-MluI
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	<u><a href="#">NM_001128853.2</a></u>



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**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 (By similarity).[UniProtKB/Swiss-Prot Function]

**Locus ID:**

51593

**MW:**

5.8