

## Product datasheet for **MC203795**

### Arsa (NM\_009713) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Arsa (NM_009713) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Arsa
Synonyms:	As-2; AS-A; As2; ASA; AW212749; TISP73
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC011284  
 ATTTCGAACCGCCTTGTCCCATGGCGCTGGAGCCTCCCAGGTC AATGTGAAGTGACTTCTGCTCCTGAT  
 CCCAAGCCTGTGCTGGCACCTCTGGGTGAACAGGGTCAGATCCCCGCTCGTGACGTTAATGAAGCCCTGG  
 TCCTTTAGGGGCTCTGTGGAGTTACACCCAGGCCACCCCTTCCGAGTTCTGACAGATTCGCTGGAGCT  
 TCAGAGAGTGGACCTACAGACAGAAGGATTATTTGGGTCTGGCGGCTCAGGGGAGGAGGAGGGCTCGGGA  
 CTGGGGCCTCAGGTAGGGGCTGGCCTGGCGCTCAAGGAACGAGCCTGCTGGAATCGCTCTGCCTCCCT  
 ACCAAGGACTGAGGACACAGGCCATCTGTATCTGTATGTCATGGCCCTGGGGACCTCTTTTTGGCATTG  
 GCTGCAGGCTGAGCACTGCCAGCCACCTAACATCCTGCTGATCTTTGCGGATGACCTGGGCTATGGGG  
 ACCTCGGCTCCTATGGGCACCCAGTTCTACCACCCCTAACCTGGATCAGTTGGCTGAAGGTGGACTACG  
 GTTCACAGATTTCTATGTGCCTGTGTCTGTGTGCACGCCATCTCGGGCCGCCCTCCTGACTGGCCGGCTC  
 CCAGTTCGATCAGGCATGTACCTGGAGTTCTGGGGCCAGTTCCCAAGGGGGCTTGCCCTTGAGGAGG  
 TGACTTTAGCCGAAGTCTGGCTGCTCGAGGCTACCTTACAGGGATGGCTGGCAAGTGGCATCTTGAGT  
 GGGGCCAGAGGGGCTTCTGCCCCCGCATCAGGGCTTCCACCGATTCTGGGCATCCCATATCCCAT  
 GACCAGGGTCCCTGTCAGAACCTAACGTGCTTCCACCCAGACATCCCCTGCAAAGGTGGCTGTGACCAAG  
 GCCTTGTCCCATCCCCTACTGGCCAACCTGACAGTGGAGGCCAGCCCTTGGCTGCCTGGACTGGA  
 GGCCCGGTATGTGCTTTCTCCCGAGACCTCATGGCTGATGCCAGCGCCAGGGCCGACCGTTCTTCCTG  
 TACTACGTTCCACCACTACTACCCTCAGTTCAGTGGACAAAGCTTACCAAGCGCTCAGGCCGTG  
 GGCCATTTGGGGACTCCTTGATGGAGCTGGATGGAGCTGTAGGGGCTTGATGACAACTGTGGGGGACCT  
 CGGTCTGCTGGAAGAGACTAGTCACTTCTACTGCAGATAACGGTCTGAGTTGATGCGCATGTCCAAT  
 GGCGGCTGCTCTGGCCTTTGAGATGTGAAAAGGAACAACCTTTTGAAGTGGCTCCGAGAGCCTGCC  
 TGGTCTACTGGCCAGGTCACATTACTCTGGTGTAAACCATGAGCTGGCCAGCTCTCTGGACCTGCTGCC  
 CACCCTGGCAGCCTGACCGGGGCTCCGCTGCCAACGTACCTTGGATGGTGTGACATCAGCCCTTG  
 CTGCTAGGCACAGGCAAGAGCCACGGAAGTCTGCTTTCTTCTACCCGCCCTACCCAGACGAGATCCATG  
 GGTCTTTGCTGTTTCGGAATGGGAAATACAAGGCTCATTCTTCAACCCAGGGCTCCGCCACAGTGACAC  
 CACTTCAGATCCTGCCTGTGCTGCTGCCAACCGTCTGACGGCTCATGAGCCCCACTGCTTACGACTTA  
 TCTCAGGACCCTGGGAGAACTACAATGTTTTGAAAAGTATAGAGGGGTCTCCCCAGAAGCCCTCCAGG  
 CTTTGAACACATCCAACCTCAAGGCCAGTACGATGCAGCCATGACCTTTGGCCCCAGCCAGATAGC  
 CAAGGGCAGGACCCTGCCCTACAGATCTGCTGTGAGCCGAGCTGCACTCCCCACCCTGTCTGCTGCCAC  
 TGCCAGGCTCCAGTCTGAGGGGACTGGAGAAATCACGGGGTCTTCAAGGGTAGCCAGGACCCT  
 AGCCCTGTCTGAGTGTGTGATGGTTCACCAGAGGGACAGGACAAGTGTGTAGTTGTATCTGGTAATG  
 TAATAACACCAGCTGAGACTTGAGACGTGCTAATTCATCTAGTCTTGTGGTAACCTGAGGTGAGTACT  
 ATTCTGCTGTGCTACAAGACAAGGACATTGACGCATAGGGAATCTCGTGGACCTTTCCAAGTCCGATGCC  
 ACCTTACCAGAAAGAGCTTGAGCTAGGATTTGAACCCAGGCACCCTGGGTTTAAAATTTGCCCACCCTG  
 GTGATCTGCGTGTGCCATGGACACACCCTGAAGCGAAGACATGTCCCTTACAGAAACCGGTAATGAG  
 TTCAAGTGCCAGGAACCTGGGGTGGGGGAGTGGTGGAGGCGAGGAAACCTAAAGATGCAAAGCACCTG  
 GAAGACAGGCTTTCTCAAGAAGCAATGCCAGAGGCCCTGGAACCTGGTCAGCTTGGTTCTTTAAAGAAAT  
 CAGCTGTCTGGAGTTAGGTGATAAACTGATCATTCCGGGTAGAGTTAAAGGACCTGGGGACCCTGCTAGA  
 TCCCAGGAAGGACCATCAGCAGCTTCTGAGACTGCCTCATGGGGCTCACTTGTCTCTCAAGCTCTGAATT  
 TCTCCTTTGTGCATACTCAAGTAATTTCTACAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI  
**ACCN:** NM\_009713  
**Insert Size:** 1521 bp

**OTI Disclaimer:** 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 [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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. [More info](#)

**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:** [BC011284](#), [AAH11284](#)

**RefSeq Size:** 2638 bp

**RefSeq ORF:** 1521 bp

**Locus ID:** 11883

**UniProt ID:** [P50428](#)

**Cytogenetics:** 15 E3

**Gene Summary:** Hydrolyzes cerebroside sulfate.[UniProtKB/Swiss-Prot Function]