

## Product datasheet for **MR208143**

### Arsa (NM\_009713) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Arsa (NM_009713) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Arsa
Synonyms:	As-2; AS-A; As2; ASA; AW212749; TISP73
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR208143 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCCCTGGGGACCCTCTTTTTGGCATTGGCTGCAGGCCTGAGCACTGCCAGCCACCTAACATCCTGC  
 TGATCTTTGCGGATGACCTGGGCTATGGGGACCTCGGCTCCTATGGGCACCCAGTTCTACCACCCCTAA  
 CCTGGATCAGTTGGCTGAAGGTGGACTACGGTTACAGATTTCTATGTGCCTGTGTCTCTGTGCACGCCA  
 TCTCGGGCCGCCCTCTGACTGGCCGGCTCCCAGTTCGATCAGGCATGTACCCTGGAGTTCTGGGGCCCA  
 GTTCCCAAGGGGGCTTGCCTTGGAGGAGGTGACTTTAGCCGAAGTCTGGCTGCTCGAGGCTACCTTAC  
 AGGGATGGCTGGCAAGTGGCATCTTGGAGTGGGGCCAGAGGGGGCCTTCTGCCCCGCATCAGGGCTTC  
 CACCGATTCTGGGCATCCCATATCCCATGACCAGGTCCCTGTGAGAACCTAACGTGCTTCCCACCAG  
 ACATCCCCTGCAAAGGTGGCTGTGACCAAGGCCTTGTCCCATCCCCTACTGGCCAACCTGACAGTGGA  
 GGCCAGCCCCCTTGGCTGCCTGGACTGGAGGCCCGGTATGTGTCTTTCTCCCGAGACCTCATGGCTGAT  
 GCCCAGCGCCAGGGCCGACCGTTCTTCTGTACTACGCTTCCCACCACACTCACTACCCTCAGTTCAGTG  
 GACAAAGCTTACCAAGCGCTCAGGCCGTGGGCCATTTGGGGACTCCTTGATGGAGCTGGATGGAGCTGT  
 AGGGGCCCTTGATGACAACTGTGGGGACCTCGGTCTGCTGGAAGAGACTAGTCATCTTCACTGCAGAT  
 AACGGTCTGAGTTGATGCGCATGTCCAATGGCGGCTGCTTGGCCTCTTGAGATGTGAAAAGGAACAA  
 CTTTTGAAGGTGGCGTCCGAGAGCCTGCCTTGGTCTACTGGCCAGGTACATTACTCCTGGTGTAAACCA  
 TGAGCTGGCCAGCTCTCTGGACCTGTGCCACCCTGGCAGCCCTGACCGGGCTCCGCTGCCAACGTC  
 ACCTTGGATGGTGTGACATCAGCCCCTTGCTGCTAGGCACAGGAAGAGCCACGGAAGTGTCTTCTCT  
 TCTACCCGCCCTACCCAGACGAGATCCATGGGGTCTTTGCTGTTGGAATGGGAAATACAAGGCTCATTT  
 CTTACCCAGGGCTCCGCCACAGTGACACCACCTTCAGATCCTGCCTGTATGCTGCCAACCGTCTGACG  
 GCTCATGAGCCCCACTGCTCTACGACTTATCTCAGGACCTGGGGAGAATAACAATGTTTTGAAAAGTA  
 TAGAGGGGTCTCCCAAGGCCCTCCAGGCTTTGAAACACATCCAACCTCTCAAGGCCAGTACGATGC  
 AGCCATGACCTTTGGCCAGCCAGATAGCCAAGGGCGAGGACCTGCCCTACAGATCTGCTGTACGCCG  
 AGCTGCACTCCCCACCCTGTCTGCTGCCACTGCCAGGCTCCAGTCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR208143 protein sequence  
 Red=Cloning site Green=Tags(s)

MALGTLFLAAGLSTASPPNILLIFADDLGYGDLGSYGHPSSTTPNLDQLAEGGLRFTDFYVPSLCTP  
 SRAALLTGRLPVRSGMYPGVLGPSSQGGLPLEEVTLAEVLAARGYLTMAGKWHLGVGPEGAFPPHQGF  
 HRFLGIPYSHDQGPCQNLTCFPPDIPCKGGCDQGLVPIPLLANLTVEAQPWLPGLEARYVSFSDLMAD  
 AQRQGRPFLLYYASHHHTYPQFSQSFTKRSGRPFPGDSLMELDGAVGALMTTVGDLGLLEETLVIFTAD  
 NGPELMRMSNGGCSGLLRGKGTTFEGGVREPALVYWPGHITPGVTHELASSLDLLPTLAALTGAPLPNV  
 TLDGVDISPLLLGTGKSPKSVFFYPPYPDEIHGVFAVRNGKYKAHFFTQGSASDSTSDPACHAANRLT  
 AHEPPLLVDLSQDPGENYNVLESIEGVSPALQALKHIQLLKAQYDAAMTFGPSQIAKGEDPALQICCP  
 SCTPHPVCCCHCPGSQS

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**

**ACCN:** NM\_009713

**ORF 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](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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).

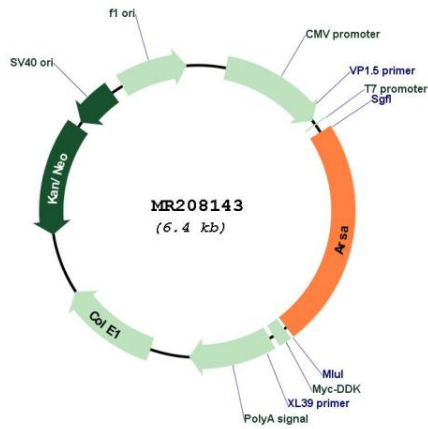
**Reconstitution Method:**

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\\_009713.4](#)

RefSeq Size: 3491 bp  
 RefSeq ORF: 1521 bp  
 Locus ID: 11883  
 UniProt ID: [P50428](#)  
 Cytogenetics: 15 E3  
 MW: 53.7 kDa  
 Gene Summary: Hydrolyzes cerebroside sulfate.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR208143