

Product datasheet for **MG208143**

Arsa (NM_009713) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Arsa (NM_009713) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Arsa
Synonyms:	As-2; AS-A; As2; ASA; AW212749; TISP73
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG208143 representing NM_009713
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCCTGGGGACCCTCTTTTTGGCATTGGCTGCAGGCCTGAGCACTGCCAGCCACCTAACATCCTGC
 TGATCTTTGCGGATGACCTGGGCTATGGGGACCTCGGCTCTATGGGCACCCAGTTCTACCACCCCTAA
 CCTGGATCAGTTGGCTGAAGGTGGACTACGGTTACAGATTTCTATGTGCCTGTGTCTCTGTGCACGCCA
 TCTCGGGCCGCCCTCTGACTGGCCGGCTCCCAGTTTCGATCAGGCATGTACCCTGGAGTTCTGGGGCCCA
 GTTCCCAAGGGGGCTTGCCTTGGAGGAGGTGACTTTAGCCGAAGTCTGGCTGCTCGAGGCTACCTTAC
 AGGGATGGCTGGCAAGTGGCATCTTGGAGTGGGGCCAGAGGGGGCCTTCTGCCCCGCATCAGGGCTTC
 CACCGATTCTGGGCATCCCATATCCCATGACCAGGTCCTGTGAGAACCTAACGTGCTTCCACCAG
 ACATCCCTGCAAAGGTGGCTGTGACCAAGGCCTTGTCCCATCCCACTACTGGCCAACCTGACAGTGGA
 GGCCAGCCCCCTTGGCTGCCTGGACTGGAGGCCGGTATGTGTCTTTCTCCCGAGACCTCATGGCTGAT
 GCCCAGGCCAGGGCCGACCGTTCTTCCGTACTACGCTTCCCACCACACTCACTACCCTCAGTTCAGTG
 GACAAAGCTTACCAAGCGCTCAGGCCGTGGGCCATTTGGGGACTCCTTGATGGAGCTGGATGGAGCTGT
 AGGGGCCCTTGTGACAACTGTGGGGACCTCGGTCTGCTGGAAGAGACTAGTCATCTTCACTGCAGAT
 AACGGTCTGAGTTGATGCGCATGTCCAATGGCGGCTGCTTGGCCTCTTGAGATGTGAAAAGGAACAA
 CTTTTGAAGGTGGCGTCCGAGAGCTGCCTTGGTCTACTGGCCAGGTCACATTACTCCTGGTGTAAACCA
 TGAGCTGGCCAGCTCTCTGGACCTGTGCCACCCTGGCAGCCCTGACCGGGCTCCGCTGCCAACGTC
 ACCTTGGATGGTGTGACATCAGCCCCTTGCTGCTAGGCACAGGAAGAGCCACGGAAGTCTGTCTTCT
 TCTACCCGCCCTACCCAGACGAGATCCATGGGGTCTTTGCTGTTTGGAAATGGGAAATAAAGGCTCATT
 CTTACCCAGGGCTCCGCCACAGTGACACCACCTTCAGATCCTGCCTGTATGCTGCCAACCGTCTGACG
 GCTCATGAGCCCCACTGCTCTACGACTTATCTCAGGACCTGGGGAGAATAAATGTTTTGAAAAGTA
 TAGAGGGGTCTCCCAAGGCCCTCCAGGCTTTGAAACACATCCAACCTCAAGGCCAGTACGATGC
 AGCCATGACCTTTGGCCAGCCAGATAGCCAAGGGCAGGACCTGCCCTACAGATCTGCTGTCAGCCC
 AGCTGCACTCCCCACCCTGTCTGCTGCCACTGCCAGGCTCCAGTCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG208143 representing NM_009713
 Red=Cloning site Green=Tags(s)

MALGTLFLALAAGLSTASPPNILLIFADDLGYGDLGSYGHPSSTTPNLQLAEGGLRFTDFYVPSLCTP
 SRAALLTGRLPVRSGLMYPVGLGPSSQGLPLEEVTLAEVLAARGYLTMAGKWHLGVGPEGAFLPPHQGF
 HRFLGIPYSHDQGPCQNLTCFPPDIPCKGGCDQGLVPIPLLNLVTEAQPPLPGLPGLPGLPGLPGLPGLP
 AQRQGRPFLLYASHHHTYPQFSQSFTKRSRGPFGDSLMELDGAVGALMTTVGDLGLLEETLVIPTAD
 NGPELMRMSNGGCSGLLRGCGTTFEGGVREPALVYWPGHITPGVTHELASSLDLLPTLAALTGAPLPNV
 TLDGVDISPLLLGTGKSPRKSFFYPYPDEIHGVFAVRNGKYKAHFFQTQSAHSDTSDPACHAANRLT
 AHEPPLL YDLSQDPGENYNVLESIEGVSPALQALKHIQLLKAQYDAAMTFGPSQIAKGEDPALQICCPQ
 SCTPHPVCCCHCPGSQS

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_009713

ORF Size: 1518 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 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).

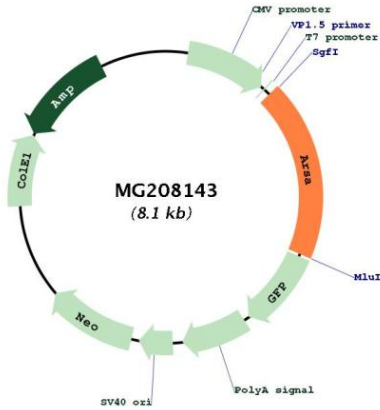
Reconstitution Method:

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: 3485 bp
 RefSeq ORF: 1521 bp
 Locus ID: 11883
 UniProt ID: [P50428](#)
 Cytogenetics: 15 E3
 Gene Summary: Hydrolyzes cerebroside sulfate.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG208143