

## Product datasheet for **MC217554**

### **Arsb (NM\_009712) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Arsb (NM_009712) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Arsb
Synonyms:	1110007C02Rik; AI480648; As-1; As-1r; As-1s; As-1t; As1; As1-r; As1-s; As1-t; Asr-1; Ast-1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC217554 representing NM\_009712  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGGCAAGCTTAGCCCGTCACTGGCAGGAGCCGGCCTGGAGGTCCCGGCCGAGCTGCCACTCTTGC  
 TGCTGCTGCTGCAGCTGCTGCTGCTGCTGCTGCGCCGGCCCGGCCCTCCGGAGCTACCCAGCCTCCGCA  
 TGTGGTCTTCGTGCTGGCGGACGACCTGGGCTGGAACGACTTGGGTTTTACGGCTCGGTATCCGCACG  
 CCGCACCTGGATGCGCTGGCGGCCGGCGGCTGGTCTGGACAATACTACGTGCAGCCGCTGTGCACGC  
 CCTCGGGAGCCAGCTGCTACCGGCCGCTATCAGATCCATTTGGGTTACAGCATTACCTCATCATGAC  
 CTGTCAGCCCAGCTGTGTTCCCTAGACGAAAACTCCTGCCCCAGCTTTAAAGGAAGCAGGCTATGCT  
 ACGCACATGGTCGGGAAATGGCACCTGGGGATGTACCGGAAAGAATGTCTGCCGACACGCCGAGGATTCCG  
 ATACCTACTTCGGATACCTCCTAGGCAGTGAAGACTATTACACCCACGAGCCTGTGCGCCGATTGAGTC  
 TTTGAATGGTACCGCTGTGCGCTTGACTTAAGAGATGGTGAAGAACCTGCAAAAGAGTATAACAATATT  
 TACTCAACAAACATATTTACAAAAGGGCTACAACCGTCATAGCTAACCCACCACCGGAGAAACCACTGT  
 TCCTCTACCTTGCTTTCCAGTCTGTCCACGATCCCTGCAGGTCCCTGAGGAGTACATGGAGCCATATGG  
 CTTTCATCCAAGATAAGCACAGACGTATTTATGCAGGGATGGTGTCCCTCATGGATGAAGCAGTGGGGAAC  
 GTCACCAAAGCCTTGAAAAGCCACGGGCTCTGGAACAACCGGTCTTCATCTTCTCCACAGATAACGGTG  
 GGCAGACTAGGTCTGGAGGCAACAACCTGGCCACTCCGAGGAAGGAAGGGGACCCTGTGGGAAGGGGGCAT  
 CCGAGGAACGGGCTTCGTGGCAAGCCCCCTGCTGAAACAGAAAGGCGTGAAGAGCCGGAACTCATGCAC  
 ATCACCGATTGGCTCCCCACACTCGTAGATCTGGCTGGGGGAAGCACTAATGGAACCAAACCTCTGGATG  
 GCTTCAACATGTGGAAGACAATCAGTGAAGGACACCCATCCCCGAGAGTGGAGCTGCTACACAACATCGA  
 TCAGGACTTTTTGATGGCTTGCCATGTCTGGCAAGAACAATGACTCCAGCAAGGACGATTCTTTTCCG  
 TTAGAACATTCTGCCTTTAACACGCTCTATCCATGCTGGGATCAGATACAAAAATTGGAACTCCTCACGG  
 GCCACCCAGGCTGTGGTTACTGGTTCCCGCCTCCGTCTCAGTCCAACGTCTCTGAGATACCTCCAGTGGA  
 CCCACCAACCAAGACTCTCTGGCTTTTTGATATCAATCAGGACCTGAAGAAAGACACGAGTGTCCCGA  
 GAGCACCCCCACATCGTCCAGAACCTTCTTTCCCGCTGCAGTACTACCATGAACATTCTGTGCCTTCTC  
 ACTTCCACCCCTTGACCCCGCTGCGATCCCAAGAGCACTGGTGTGGAGCCCTGGAT**GTAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_009712

**Insert Size:** 1605 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:**

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\\_009712.3](#), [NP\\_033842.3](#)

**RefSeq Size:** 3989 bp

**RefSeq ORF:** 1605 bp

**Locus ID:** 11881

**UniProt ID:** [P50429](#)

**Cytogenetics:** 13 47.88 cM

**Gene Summary:** Removes sulfate groups from chondroitin-4-sulfate (C4S) and regulates its degradation (By similarity). Involved in the regulation of cell adhesion, cell migration and invasion in colonic epithelium (By similarity). In the central nervous system, is a regulator of neurite outgrowth and neuronal plasticity, acting through the control of sulfate glycosaminoglycans and neurocan levels (By similarity).[UniProtKB/Swiss-Prot Function]