

Product datasheet for **MC219251**

Arsi (NM_001038499) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Arsi (NM_001038499) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Arsi
Synonyms:	BC020108
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC219251 representing NM_001038499
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCATGTCTCTCAGGATTCTCCCTGGTCAGCCTACTCAGTTGGGCTACCTGTCTGGGATTGGGCTA
AGCCCGGCTTGTGGCTGATGGGCTGCCGAGGCTGGCGATCAGCCTTCGGTGGCTCCACCGCAGCCTCC
ACACATTATCTTCATCCTCACCGACGACCAAGGGTACCACGACGTGGGATACCATGGCTCGGATATCGAG
ACCCCAACGCTGGACCGCTAGCAGCTGAGGGCGTCAAAGTGGAGAATTATTACATCCAGCCCATATGTA
CACCTTCGAGGAGTCACTCCTCACCGGACGTTACCAGATCCATACAGGATTGCAGCACTCCATTATCCG
CCCACGGCAGCCCACTGTCTGCCCTGGACAGGTGACGCTGCCCCAGAAGCTACAGGAGGCAGGCTAC
TCCACCCACATGGTGGGCAAGTGGCATCTGGGCTTCTACCGAAGGAGTGTTCCTACCCGCCGGGGCT
TCGACACCTTCTGGGTTCCCTCACAGGCAATGTGGATTACTACACCTACGACAAGTGTGATGGCCAGG
GGTTTGTGGGTTTACCTGCACGAGGGTGAAGCGTGGCTGGGGCTCAGCGGCCAGTACTCCACTATG
CTCTACGCTCAGCGTGAAGCCACATCCTGGCCAGCCACAATCCCAGAAATCCCCTCTTTCTCTATGTGG
CCTTCCAGGCAGTACACACGCCCCACAGTCACTCGAGAATACCTATACCGCTACCGCAGGATGGGCAA
CGTAGCACGGCGCAAGTACGACGACCATGGTGCCTGATGGACGAGGCTGTGCGTAAATCACCTGGGCC
CTCAAGCGCTATGGTTTCTATAACAACAGTGTCTTCTTCCAGTGACAATGGTGGCCAGACCTTCT
CAGGGGTAGCAACTGGCCCTTCGAGGACGCAAGGGTACTTACTGGGAAGTGGTGTGAGGGCCCTGGG
TTTTGTCCACAGCCACTGCTCAAGAAAAGAGACGGACAGTCCGGCCCTGGTCCATATCACAGACTGG
TACCAACACTGGTGGTCTGGCAGGCGGTACTACATCAGCAGCTGATGGGCTGGATGGCTATGATGTAT
GGCCAGCATTAGTGAGGGCCGGCCCTCACCACGACAGAGATCTACACAACATCGACCCCTCTACAA
CCATGCCCGGCATGGATCCTTGGAGGGTGGCTTTGGGATCTGGAATACAGCAGTGCAGGCTGCTATCCGA
GTTGGGGAGTGGAAAGCTGCTCACTGGAGACCCAGGCTATGGTACTGGATTCCACCTCAGACACTGGCCT
CCTTCCCTGGCAGCTGGTGAACCTGGAGCGGATGGCCAGCATCCGCCAGGCTGTGTGGCTCTTTAACAT
CAGTGTGACCCCTACGAACGAGAGGACCTGGCTGGCCAGCGACCCGATGTAGTCCGCACCCCTTCTGGCT
CGCCTGGTGTATTATAACCGTACTGCCATCCCCGTGCGTTACCCAGCTGCGAACCTCGGGCCATCCTG
ACTTTAATGGGGTGTCTGGGGCCCTGGGCCAGTGAGGAGGAGGAAGAGGAGGAGGAAGAGGAGGA
AGGCAGAGCTAGAAGTTTCTCCCGGGTCCGCCAAGAAGAAATGCAAGATTTGCAAGCTTCGATCTTTT
TCCGTAACCTCAATACCAGGCTGATGTCCACCGGAT**CTGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001038499

Insert Size: 1722 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_001038499.1](#), [NP_001033588.1](#)

RefSeq Size: 1722 bp

RefSeq ORF: 1722 bp

Locus ID: 545260

UniProt ID: [Q32KI9](#)

Cytogenetics: 18 E1

Gene Summary: Displays arylsulfatase activity at neutral pH, when co-expressed with SUMF1; arylsulfatase activity is measured in the secretion medium of retinal cell line, but no activity is recorded when measured in cell extracts.[UniProtKB/Swiss-Prot Function]