

## Product datasheet for **RN206927**

### Arsi (NM\_001047881) Rat Untagged Clone

#### Product data:

|                    |  |
|--------------------|--|
| Product Type:      | Expression Plasmids                    |
| Product Name:      | Arsi (NM_001047881) Rat Untagged Clone |
| Tag:               | Tag Free                               |
| Symbol:            | Arsi                                   |
| Synonyms:          | RGD1310242                             |
| Vector:            | pCMV6-Entry (PS100001)                 |
| E. coli Selection: | Kanamycin (25 ug/mL)                   |
| Cell Selection:    | Neomycin                               |



[View online »](#)

**Fully Sequenced ORF:** >RN206927 representing NM\_001047881  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCATGCCCTCTCAGGATTCTCTTGTGACGCTACTCAGTTTGGGCTACCTGTCTGGGATTGGGCCA  
 AGCCCGGCTTGTGGCTGATGGGCTGCCGAGGCTGAGGATCAGCCTTCGGCGGCTCCACCGAACCTCC  
 ACACATTATCTTATTCTCACCGATGACCAAGGGTACCACGACGTGGGATACCATGGCTCAGATATTGAG  
 ACCCAACGCTGGACCGCTGGCAGCTGAGGGCTCAAAGTGGAGAATTATTACATCCAACCCATATGTA  
 CGCCTTCGAGGAGCCAACCTCACTGCGAGGTACCAGATCCATACAGGACTACAGCACTCCATCATCCG  
 CCCACGGCAGCCAACTGTCTGCCTCTGGACCAGGTGACGCTGCCCCAGAAGCTACAGGAAGCAGGCTAC  
 TCCACCCACATGGTGGCAAGTGGCATCTGGGTTTCTACCGAAGGAGTGTTCCTACCCGAGGGCT  
 TTGACACCTTCTGGGTTCCCTCACAGGCAATGTGGACTATTACACCTATGACAAGTGTGATGGCCAGG  
 GGTGTGGTTTTGATCTGCATGAGGGTGAAGTGTGGCTGGGGCTCAGCGGCCAGTACTCCACTATG  
 CTCTATGCTCAGCGTGAAGCCACATCCTGGCCAGCCACAGTCCCAGAAGCCCTCTTTCTCTATGTGG  
 CCTCCAGGCAGTACACACACCCCTACAGTCACCTCGAGAGTACCTTACCGCTACCGCACAATGGGCA  
 CGTAGCGAGGCGCAAGTACGACGACCATGGTGACCTGCATGGATGAAGCTGTGCGCAACATCACCTGGGCT  
 CTCAAGCGCTATGGTTTCTATAACAACAGTGTCTTCTTCCAGTGACAACGGTGGCCAAACCTTCT  
 CAGGGGTAGTAACTGGCCCTTCGAGGACGAAAGGGTACTTATTGGGAAGGAGGTGTGAGGGGGCTGGG  
 TTTTGTCCACAGCCACTGCTCAAGAAAAAAGACGGACAGTCCGGCTGCTGATGGACTTGATGGCTATGACGTGT  
 TACCAACACTGGTGGTCTGGCAGGTGGCACTACATCCGCTGCTGATGGACTTGATGGCTATGACGTGT  
 GGCCAGCATTAGTGAGGGCCGGCCTCACCACGCACAGAGATCCTACACAACATTGACCCCTCTACAA  
 CCATGCCCGGCATGGCTCCTTGGAGGGTGGCTTTGGCATCTGGAATACAGCAGTGCAGGCTGCTATCCGA  
 GTCGGAGAGTGAAGCTCCTCACTGGAGACCCAGGTTATGGTGAAGTGGATTCCACCTCAGACACTGGCCT  
 CCTTCCCTGGCAGTTGGTGAACCTAGAGCGGATGGCCAGCATCCGCCAGGCTGTGTGGCTCTTTAACAT  
 CAGTGCTGACCTTATGAACGAGAGGACCTAGCTGACCAGCGACCTGATGTAGTCCGCACCTGTGGCT  
 CGCCTGGCTGATTATAACCGTACTGCCATCCCTGTGCGTTACCCAGCTGCGAACCTCGGGCCATCCTG  
 ACTTTAATGGGGTGTGGGGACCTGGGCCAGTGATGAGGATGAAGAAGAGGAGGATGAAGAGGAGGA  
 AGGCAGAGCTAGAAGTTCCCGGGTTCGACGCAAGAAGAAATGCAAGATTTGCAAGCTTCGATCTTTT  
 TTCGTAACCTCAATACCAGGCTGATGTCCACCGGAT**CTGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001047881

**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\\_001047881.1](#), [NP\\_001041346.1](#)

**RefSeq Size:** 1722 bp

**RefSeq ORF:** 1722 bp

**Locus ID:** 307404

**UniProt ID:** [Q32KJ8](#)

**Cytogenetics:** 18q12.1

**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]