

## Product datasheet for **SC336999**

### ARSL (NM\_001282628) Human Untagged Clone

#### Product data:

|                           |                                          |
|---------------------------|------------------------------------------|
| Product Type:             | Expression Plasmids                      |
| Product Name:             | ARSL (NM_001282628) Human Untagged Clone |
| Tag:                      | Tag Free                                 |
| Symbol:                   | ARSL                                     |
| Synonyms:                 | ARSE; ASE; CDPX; CDPX1; CDPXR            |
| Mammalian Cell Selection: | Neomycin                                 |
| Vector:                   | pCMV6-Entry (PS100001)                   |
| E. coli Selection:        | Kanamycin (25 ug/mL)                     |



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**Fully Sequenced ORF:** >SC336999 representing NM\_001282628.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGAGACCCGTGATTAATAGATGTGCTCCAGGCTCCCTTGATTTGATGTTGCCCCAGGCAGCCTCAGAA
GGAAATGTATTTCACTTCTGCAAAATCAGTTTGTGTTTCAGGAGCTGGCTGCCAGCGATGCTCGTGTA
CTGCTAAGTTTGGCACCATCAGCTTCCAGCGACATTTCCGCCTCCCGACCGAACATCCTTCTTGATG
GCGGACGACCTTGGCATTGGGGACATTGGCTGCTATGGCAACAACACCATGAGGACTCCGAATATTGAC
CGCCTTGACAGAGGACGGCGTGAAGCTGACCCAACACATCTCTGCCGCATCTTTGTGACCCCAAGCAGA
GCCGCCTTCTCACGGGCAGATACCCTGTGCGATCAGGGATGGTTTCCAGCATTGGTTACCGTGTCTT
CAGTGGACCGGAGCATCTGGAGGCTTCCAACAAATGAGACAACCTTTGCAAAAATACTGAAAGAGAAA
GGCTATGCCACTGGACTCATTGAAAAATGGCATCTGGGTCTCACTGTGAGTCAGCCAGTGATCATTGC
CACCACCCTCCTCATCATGGCTTTGACCATTTCTACGGAATGCCTTTCTCCTTGATGGGTGATTGCGCC
CGCTGGGAACTCTCAGAGAAGCGTGTCAACCTGGAACAAAACTCAACTCCTCTTCCAAGTCTTGCC
TTGGTTGCCCTCACACTGGTAGCAGGGAAGCTCACACACCTGATACCCGCTCTCGTGATGCCGGTATC
TGTCAGCCCTTTCGGCCGTCCTCCTCCTCGAAGCTCCTATTTTGTGGGTGCTCTGATTGTCCATGCC
GATTGCTTTTGATGAGAAACCACACCATCACGGAGCAGCCCATGTGCTTCAAAGAACGACACCCCTT
ATTCTGCAGGAGGTTGCGTCCTTTCTCAAAGGAATAAGCATGGGCCCTTCTCCTCTTTGTTTCCTTT
CTACACGTTACATCCCTTATCACTATGGAGAATCTCCTCGGGAAGAGTCTCCACGGGCTGTATGGG
GACAACGTAGAGGAGATGGACTGGATGGTAGGACGGATCCTTGACACTTTGGACGTGGAGGGTTGAGC
AACAGCACCTCATTTATTTACGTGGATCACGGCGGTTCCCTAGAGAATCAACTGGAAACACCCAG
TATGGTGGCTGGAATGGAATTTATAAGGTGGGAAGGCATGGGAGGATGGGAAGGTGGGATCCGCGTG
CCCGGGATCTTCCGCTGGCCCGGGGTGCTCCCGCCGGCCGAGTGATTGGCGAGCCACGAGTCTGATG
GACGTGTTCCCCACCGTGGTCCGGCTGGCGGGCGGAGGTGCCCCAGGACAGAGTGATTGACGGCCAA
GACCTTCTGCCCTTGCTCCTGGGACAGCCCAACTCAGACCACGAGTTCCTGATGCATTATTGTGAG
AGGTTTCTGCACGCAGCCAGGTGGCATCAACGGGACAGAGGAACAATGTGGAAAGTCCACTTTGTGACG
CCTGTGTTCCAGCCAGAGGGAGCCGGTGCCTGCTATGGAAGAAAGGTCTGCCCGTCTTTGGGAAAAA
GTAGTCCACCACGATCCACCTTTGCTCTTTGACCTCTCAAGAGACCTTCTGAGACCCACATCCTCACA
CCAGCCTCAGAGCCCGTGTCTATCAGGTGATGGAACGAGTCCAGCAGGGGTGTGGGAACACCAGCGG
ACACTCAGCCCAGTTCTCTGCAGCTGGACAGGCTGGGCAACATCTGGAGACCGTGGCTGCAGCCCTGC
TGTGGCCCGTTCCCTCTGCTGGTGCCTTAGGGAAGATGACCCACAATAA
ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGGC
  
```

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001282628

**Insert Size:** 1845 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\\_001282628.1](#)

**RefSeq Size:** 2506 bp

**RefSeq ORF:** 1845 bp

**Locus ID:** 415

**Cytogenetics:** Xp22.33

**Protein Families:** Druggable Genome, Transmembrane

**MW:** 68.2 kDa

**Gene Summary:** Arylsulfatase E is a member of the sulfatase family. It is glycosylated postranslationally and localized to the golgi apparatus. Sulfatases are essential for the correct composition of bone and cartilage matrix. X-linked chondrodysplasia punctata, a disease characterized by abnormalities in cartilage and bone development, has been linked to mutations in this gene. Alternative splicing results in multiple transcript variants. A pseudogene related to this gene is located on the Y chromosome. [provided by RefSeq, Sep 2013]

Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).