

## Product datasheet for **SC329633**

### ARSF (NM\_001201539) Human Untagged Clone

#### Product data:

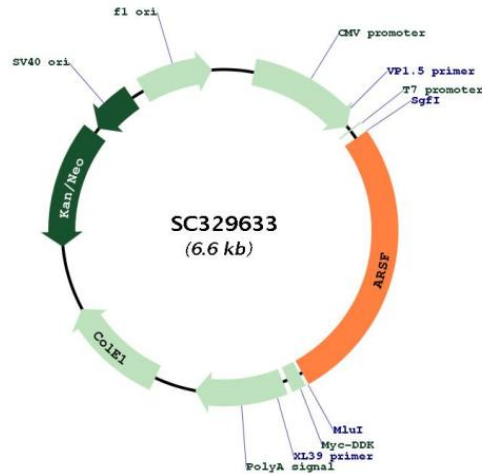
**Product Type:** Expression Plasmids  
**Product Name:** ARSF (NM\_001201539) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** ARSF  
**Synonyms:** ASF  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC329633 representing NM\_001201539.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
ATGAGGCCAGGAGACCCTTGGTCTTCATGTCTTTGGTGTGTGCACTCTTGAACACATGCCAGGCACAC
AGGGTGCATGACGACAAGCCTAATATTGTCCTAATCATGGTTGATGACCTGGGTATTGGAGATCTGGGC
TGCTACGGCAATGACACCATGAGGACGCCTCACATCGACCGCCTTGCCAGGGAAGCGTGCAGTACTGACT
CAGCACATCTCTGCCCTCCCTCTGCAGCCCAAGCCGGTCCGCGTTCTTGACGGGAAGATACCCCATC
CGATCAGGTATGGTTTCTAGTGGTAATAGACGTGTCTCAAAAATCTTGACGTCGCCGAGGCTCCCT
CTTAATGAGACAACACTTGCAGCCTTGTAAGAAGCAAGGATACAGCACGGGGCTTATAGCAAATGG
CACCAAGGCTTGAAGTGGACTCCCGAAGTGACCAAGTGCACCATCCATATAATTATGGGTTGACTAC
TACTATGGCATGCCGTTCACTCTCGTTGACAGCTGCTGGCCGGACCCCTCTCGTAACACGGAATTAGCC
TTTGAGAGTCAGCTCTGGCTCTGTGTGACAGTGTGGCATTGCCATCCTCACCTAACCTTTGGGAAG
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TATGCTTGGTTCTCCAGCCACACGTCCCCTTTATACTGGGACTGCCTCCTCATGCGGGGGCAGGAGATC
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GACGATTTCACTGGCACCAGCAAGCATGGCTTGTATGGGATAATGTGGAAGAGATGGACTCCATGGTG
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CACGGAGGGCATTGGAAGCTAGGCGAGGGCATGCCCAACTTGGTGGATGGAATGGAATATACAAAGGT
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CCAGCTGGACGGTTGATTAAGGAACCTACAAGTTAATGGATATTTACCAACTGTCGCATCAGTGTCA
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AGGCACTCGGAGCATGAATTTCTTTTCCACTACTGTGGCTCTACCTGCACGCCGTGCGGTGGATCCCC
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TTGATCTCTCCAGGACCCCTCAGAGTCCACACCCTGACACCTGCCACAGAGCCCTCCATGATTTT
GTGATTAAGGTTGGCAACGCCCTGAAGGAACACCAGGAAACCATCGTGCCTGTGACCTACCAACTC
TCAGAAGTGAATCAGGGCAGGACGTGGCTGAAGCCTTGCTGTGGGGTGTCCCATTTTGTCTGTGTGAC
AAGGAAGAGGAAGTCTCTCAGCCTCGGGTCTAACGAGAAGAGATAA
```

**Restriction Sites:** SgfI-MluI



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**Plasmid Map:**


**ACCN:** NM\_001201539

**Insert Size:** 1773 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\\_001201539.1](#)

**RefSeq Size:** 2167 bp

**RefSeq ORF:** 1773 bp

**Locus ID:** 416

**UniProt ID:** [P54793](#)

**Cytogenetics:** Xp22.33

**Protein Families:** Druggable Genome, Secreted Protein, Transmembrane

**MW:** 65.9 kDa

**Gene Summary:**

This gene is a member of the sulfatase family, and more specifically, the arylsulfatase subfamily. Members of the subfamily share similarity in sequence and splice sites, and are clustered together on chromosome X, suggesting that they are derived from recent gene duplication events. Sulfatases are essential for the correct composition of bone and cartilage matrix. The activity of this protein, unlike that of arylsulfatase E, is not inhibited by warfarin. Multiple alternatively spliced variants, encoding the same protein, have been identified. [provided by RefSeq, Jan 2011]

Transcript Variant: This variant (3) differs in the 5' UTR compared to variant 1. Variants 1, 2 and 3 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.