

## Product datasheet for **SC205316**

### ARSG (NM\_014960) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	ARSG (NM_014960) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	ARSG
Synonyms:	USH4
ACCN:	NM_014960
Insert Size:	2000 bp



[View online »](#)

**Insert Sequence:**

>SC205316 3'UTR clone of NM\_014960

The sequence shown below is from the reference sequence of NM\_014960. The complete sequence of this clone may contain minor differences, such as SNPs.

Blue=Stop Codon Red=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CAAATTGCCTGCCGCTGTCAAGCCGCAACAGACCAATTTTATTCCACGAGGAGGAGTACCTGGAAA
TTAGGCAAGTTTGCTTCCAAATTCATTTTACCCTCTTTACAAACACACGCTTTAGTTTAGTCTTGGA
GTTTAGTTTTGGAGTTAGCCTTGCCATATCCCTTGTATCCTGTCCCTCCTCCACGCCGACCCGAGAGC
AGCTGAGCTGCGCTGGCTCTGGGAGGGAGTGTGCCTTAATGGGAAGCACACGGGCTTTGGAGTCAGGC
ACAGGTGCCAGCTCCAGCTTTTGAACCTGGGCAATTGTTAACTAACCTGCAAGTTGATTTGAGGGT
TAAATAAAGGCATACATGAAAATGCCTGGCAAATTACCTGACACAGAGCAGACATTCAATACATTTTAG
TTTCTTGTCTCTGGTCCCAGTTTCTCTGGTCATTTTGGTGTAAATCCATTCTAATTAGTATTTAG
GGCAGAGCTTCTCTCTTTTCTTTTTTCTTCCACAAACCAGTGTACTCACTGGTCTCCATCTTT
AATATGCAACAATCACCTGGGATCTTGTGAGAATCCGGATTCCGTCTCAGTAGGGCTCGAGTAGATC
CTGAAATCCTACATTTCTATCAAACAATGCCTTGAGGAGCACAGATTTAGACCAAAGTTAGTGCATTTT
CCAGATCTCAGAGCAGACGAGTCCATGGATAAGTCTGTGGCCCAATCCCCTTCTCTCTTTAAGGGT
GAAATGACTGCATTTAAAAGAAGTTAAAGAGTTCCTCCTGTCCCTATAACCACAAGGAAACAAAAAAA
TATATAAAAACCTCAAAAATGCATTGCCATGATTTTATTATTAGTGTCCAAAATGGGACTCCCAAGTAA
TAAATGATTTATCCAGCCACAGCCAAAAAAGACTTTGCCTGGCTAAAAGAGTCTCTCTAAGTATGT
AATATAACAAGAAATACAATTCAAAGAGATGTTCCATAAGTACATTTTTTACACGGCATATATTTAAA
AGGAGGCCCTTTTAAATATAAAATTCGGTTATATACCAATATGGTTAATTAGCATTTACACTATAGTT
TGAACGTATTTTAAATAGCATGATGTGTATACAATGTCTCCCGGCCCATTTGGCAACCAGGGTCGTGGG
AAGCTTGGTGAGGAGTTAACCAGTCTGTGGTTAAGCAGTGGAGCACCCGGGATTCTGCCCCCTT
TCTGCTCACACAATTGCACTCCATTCTTCCGCTTCTTGTTTTCTCAAAAACCCTGATAGGGGGGA
TGTCTGATTTCTGAGGTGTGCTTCTCATCATGACTGCTTCGTTTTGCCCTTCTGATTTCCACGGCACA
AGATTATCTACAAAATCAAAACAGAATGGCCTTACTTCTCAGGAAGAGGCTGGTAGGCAGGTGCAT
TATCAACAGGTCTGTGCCATGCAGAGTGAAGCAGGAGAGGCTGGGCACTGTGGAATTTTCTGTCTGA
ACTCGCTCATGGCCACAGAATGGTCACCCAGCTTATTTAGGTGTAGACAAGTATGACACAGTTCTAGAA
AATACTGACTATAAAAATGTCTCTGTGTGTGTGTATGATTTATATGTATATATATATTTTTAAA
AGGCTCATCTTACTTGTAAACATGGACTGCTCAATCACTATTA AAAAAGTCAGTTTAGGCTGGCGCGGT
GGCTCACGCCTGTAATCCAGAACTTTGGGAGGCTGAGGTGGGTGGATCACTAGGTCAAGGAGTTGAGA
CCAGCCTGGCCAACATGGTGAACCCCATCGCTACTAAAAAATACAAAATTAGCCGGGCATGGTGGCG
CTCACCTGTAATCCCAGCTACTCGGGAGGCTGAGGCAGGAGAGAATCGCTTGAACCGGGGAGGTGGAGG
CTGCAGTGAGCCGAGATCGCACCCTGCACTCCAGCCTGGGCGATGGAGCAAGACTCCATCTCAAAAA
ACGCGTAAGCGGCCGCGGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
```

**Restriction Sites:**

SgfI-MluI

**OTI Disclaimer:**

Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

**Components:**

The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

**RefSeq:**

[NM\\_014960.5](#)

**Summary:** The protein encoded by this gene belongs to the sulfatase enzyme family. Sulfatases hydrolyze sulfate esters from sulfated steroids, carbohydrates, proteoglycans, and glycolipids. They are involved in hormone biosynthesis, modulation of cell signaling, and degradation of macromolecules. This protein displays arylsulfatase activity at acidic pH, as is typical of lysosomal sulfatases, and has been shown to localize in the lysosomes. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jun 2012]

**Locus ID:** 22901

**MW:** 75.2