

## Product datasheet for **SC326090**

### **PTGES3L-AARSD1 (NM\_001136042) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	PTGES3L-AARSD1 (NM_001136042) Human Untagged Clone
Tag:	Tag Free
Symbol:	PTGES3L-AARSD1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

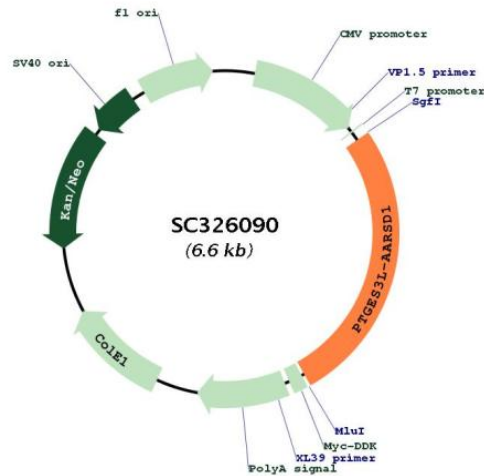


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**Fully Sequenced ORF:** >SC326090 representing NM\_001136042.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTTCTCTTCTCTCAACTGCTCTCCCGACCATATAAGGAGAGGCAGCTGCTGGGGCGTCCCCAG
GATCTAAAGATAGCGGCCCTGCCTGGAACCTAAATGCCACCCTGGAGCGGGAGCCGCAATGGCACGG
CAGCACGCCCGGACCTTGTGGTACGACAGGCCAGGTATGTGTTTATGGAGTTTTGTGTTGAGGACAGC
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TCTATTACTTGTGTTGTGAGAAAATGGAAGGAAAAGTGGCCTGGCCGGCTTACCAAGGAGGATATC
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GCTCATGTGGAACATTATGCAGAGCTTTTGAAGAAGGTGACACCAAGAGACCTCCACCTGCCATGGAT
GATTTGGATTTACCACCACCGTGGTCTCTGCTGTCCCGGGAGCTGCAGACTGAAGGGAGCAACGGC
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CAGCCTGATGACCGTGGTACAATCAATGACATCTCTGTGCTGAGAGTGACTCGCCGTGGGGAACAGGCT
GATCATTTACCCAGACACCCCTGGATCCAGGAAGCCAGGTTCTGGTCCGGGTAGATTGGGAGCGGAGG
TTTGACCACATGCAGCAGCATTAGGGCAGCATCTCATCACGGCAGTTGCTGACCATCTATTTAAGCTG
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AAGAATAACCTGAATCTGCTCAGAGACCTGGCTGTGCACATTGCCCATAGCCTCAGGAACAGTCCAGAC
TGGGGAGGTGTGGTCATATTACACAGGAAGGAGGGTGATTGAGAGTTCATGAATATCATTGCCAATGAG
ATTGGGTGAGAGGAGACCCTCCTGTTCTTAAGTGTGGCGATGAGAAAGGTGGTGGACTCTTCTTACTG
GCAGGGCCACCTGCGTCTGTGGAGACCCTGGGGCCAGGGTGGCTGAGGTCTGGAAGGCAAGGAGCA
GGGAAGAAAGGCCGTTTTTCAGGGCAAGGCCACCAAGATGAGCCGGCGGATGGAGGCGCAGGCGCTTCTC
CAGGACTACATCAGCACGCAGAGTGCTAAGGAGTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

**Restriction Sites:** SgfI-MluI

**Plasmid Map:**


**ACCN:** NM\_001136042

**Insert Size:** 1761 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).

**OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**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\\_001136042.2](#)

**RefSeq Size:** 2184 bp

**RefSeq ORF:** 1761 bp

**Locus ID:** 100885850

**UniProt ID:** [Q9BTE6](#)

**Cytogenetics:** 17q21.31

**MW:** 65.7 kDa

**Gene Summary:** This locus represents naturally occurring readthrough transcription between the neighboring PTGES3L (prostaglandin E synthase 3 (cytosolic)-like) and AARSD1(alanyl-tRNA synthetase domain containing 1) genes on chromosome 17. The readthrough transcript encodes a fusion protein that shares sequence identity with each individual gene product. [provided by RefSeq, May 2012]  
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).