

## Product datasheet for **SC319527**

### PTGES3L-AARSD1 (NM\_025267) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PTGES3L-AARSD1 (NM_025267) Human Untagged Clone
Tag:	Tag Free
Symbol:	PTGES3L-AARSD1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_025267.2  
 TGGAGATTCCCTGCTCCAAGTCTTCTGGGCGCTCCAGGTTCTGTGAGGCCCCACGGGAGC  
 CCCGGACCCCTGGTCTCTGTAACGTGTTGGGTGAGGGAAGGCAGCACGCCCGGACCTTGTG  
 GTACGACAGGCCAGGTATGTGTTTCATGGAGTTTTGTGTTGAGGACAGCACCGATGTCCA  
 CGTGCTTATTGAGGATCACCGCATTGTGTTTCAGCTGCAAGAATGCCGATGGAGTGGAGTT  
 GTACAATGAGATTGAGTTCTATGCCAAAAGTGAAGTCCAAGGACTCCCAGGATAAGCGCTC  
 TTCCCGCTCTATTACTTGTGTTTGTGAGAAAATGGAAGGAAAAGGTGGCCTGGCCGGGCTC  
 TACCAAGGAGGATATCAAGCCAGTGTGGCTGTCTGTGGACTTTGATAACTGGAGAGACTG  
 GGAAGGGGATGAAGAGATGGAGCTGGCTCATGTGGAACATTATGCAGAGCTTTTGAAGAA  
 GGTGAGCAGCAAGAGACCTCCACCTGCCATGGATGATTTGGATTTACCACCACCGTGGT  
 CTCTTGTGTCCCGGGAGCTGCAGACTGAAGGGAGCAACGGCAAGAAAGAGTGTGAG  
 CGGTTTCCAAGTGGTGTGGAAGACACAGTGTCTTTCCCTGAGGGCGGGGACAGCCTGA  
 TGACCGTGGTACAATCAATGACATCTCTGTGCTGAGAGTACTCGCCGTGGGGAACAGGC  
 TGATCATTTACCAGACACCCCTGGATCCAGGAAGCCAGTTCTGGTCCGGGTAGATTG  
 GGAGCGGAGGTTTACCACATGCAGCAGCATTCAGGGCAGCATCTCATCACGGCAGTTGC  
 TGACCATCTATTTAAGCTGAAGCAACATCATGGGAGTTAGGGAGATTTCCGAGTGCAT  
 TGAGCTGGACACCCCTCTATGACTGCAGAGCAAGTAGCTGCCATTGAGCAGAGCGTCAA  
 TGAAAAATCAGAGATCGGCTGCCTGTGAATGTCCGAGAACTGAGCCTGGATGATCCTGA  
 GGTGGAGCAGGTGAGTGGCCGGGTTTGCCTGATGATCATGCTGGGCCCATTCGGGTTGT  
 TAACATCGAGGGCGTTGATTCCAACATGTGCTGTGGGACCCATGTGAGCAATCTCAGTGA  
 CCTTCAGTCCATTAAGATTCTGGGCACTGAGAAGGGGAAAAAGAACAGAACCAACCTGAT  
 ATTTCTGTCTGGAAACCGGTGCTGAAGTGGATGGAGAGAAGTCAATGGAAGTAAAAAGC  
 ACTGACTGCTCTGCTTAAGTGTGGAGCAGAGGATCATGTGGAAGCAGTAAAAAGCTCCA  
 GAACTCCACCAAGATCCTGCAGAAGAATAACCTGAATCTGCTCAGAGACCTGGCTGTGCA  
 CATTGCCCATAGCCTCAGGAACAGTCCAGACTGGGGAGGTGTGGTCATATTACACAGGAA  
 GGAGGGTATTACAGATTGATGAATATCATTGCCAATGAGATTGGGTGAGAGGAGACCT  
 CCTGTTCTTAAGTGTGGGCGATGAGAAAGGTGGTGGACTCTTCTTACTGGCAGGGCCACC  
 TGCGTCTGTGGAGACCCTGGGGCCAGGTGGCTGAGGTCCTGGAAGGCAAGGAGCAGG  
 GAAGAAAGGCCGTTTTACGGGCAAGGCCACCAAGATGAGCCGGCGGATGGAGGCGCAGGC  
 GCTTCTCAGGACTACATCAGCACGAGAGTGTAAAGAGTGGGGCTTAGGGCACTCAC  
 CTCTGTTTCCACAGGAATCTTTGGTCAATAAAATAGATTGACTCAGAAAAAAAAAAAAA  
 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_025267

**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\\_025267.2](#), [NP\\_079543.1](#)

**RefSeq Size:** 1835 bp

**RefSeq ORF:** 1578 bp

**Locus ID:** 100885850

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

**Cytogenetics:** 17q21.31

**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 (2) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at an alternate in-frame downstream start codon, compared to variant 1. The resulting isoform (2) is shorter at the N-terminus, compared to isoform 1.