

Datasheet for ABIN4924824

## Human PTGES3L-AARSD1 ORF Clone in Mammalian Expression Vector (DYKDDDDK Tag)

### Overview

Quantity:	10 µg
Gene:	PTGES3L-AARSD1
Species:	Human
Fusion tag:	DYKDDDDK Tag
Insert:	ORF
Vector:	Mammalian Expression Vector
Application:	Protein Expression (PEXP)

### Product Details

Purpose:	Expression/transfection ready cDNA ORF clone of Human PTGES3L-AARSD1 with C terminal DYKDDDDK tag is ideal for express proteins in E.coli & mammalian cells.
Brand:	GenEZ™
Insert Length:	1761 bp
Vector Backbone:	pcDNA3.1+C-(K)-DYK
Promoter:	CMV Promoter
Selectable Marker:	Neomycin
Bacterial Resistance:	Ampicillin
Expression Type:	Transient, Stable
Sequence:	ATGTTCTCTC TTCCTCTCAA CTGCTCTCCC GACCATATAA GGAGAGGCAG CTGCTGGGGG CGTCCCAGG ATCTAAAGAT AGCGGCCCT GCCTGGAACCT CTAATGCCA CCCTGGAGCG GGAGCCGCAA TGGCACGGCA GCACGCCCGG ACCTTGTGGT ACGACAGGCC CAGGTATGTG TTCATGGAGT TTTGTGTTGA GGACAGCACC GATGTCCACG TGCTTATTGA GGATCACCGC

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ATTGTGTTCA GCTGCAAGAA TGCCGATGGA GTGGAGTTGT ACAATGAGAT TGAGTTCTAT  
GCCAAAGTGA ACTCCAAGGA CTCCCAGGAT AAGCGCTCTT CCCGCTCTAT TACTTGTTTT  
GTGAGAAAAT GGAAGGAAAA GGTGGCCTGG CCGCGGCTTA CCAAGGAGGA TATCAAGCCA  
GTGTGGCTGT CTGTGGACTT TGATAACTGG AGAGACTGGG AAGGGGATGA AGAGATGGAG  
CTGGCTCATG TGGAACATTA TGCAGAGCTT TTGAAGAAGG TCAGCACCAA GAGACCTCCA  
CCTGCCATGG ATGATTTGGA TTTCAACCACC ACCGTGGTCT CCTGCTGTCC CGCGGAGCTG  
CAGACTGAAG GGAGCAACGG CAAGAAAGAA GTGCTGAGCG GTTTCCAAGT GGTGCTGGAA  
GACACAGTGC TTTTCCCTGA GGGCGGGGGA CAGCCTGATG ACCGTGGTAC AATCAATGAC  
ATCTCTGTGC TGAGAGTGAC TCGCCGTGGG GAACAGGCTG ATCATTTTAC CCAGACACCC  
CTGGATCCAG GAAGCCAGGT TCTGGTCCGG GTAGATTGGG AGCGGAGGTT TGACCACATG  
CAGCAGCATT CAGGGCAGCA TCTCATCACG GCAGTTGCTG ACCATCTATT TAAGCTGAAG  
ACAACATCAT GGGAGTTAGG GAGATTTTCGG AGTGCGATTG AGCTGGACAC CCCCTCTATG  
ACTGCAGAGC AAGTAGCTGC CATTGAGCAG AGCGTCAATG AAAAAATCAG AGATCGGCTG  
CCTGTGAATG TCCGAGAACT GAGCCTGGAT GATCCTGAGG TGGAGCAGGT GAGTGGCCGG  
GGTTTGCTG ATGATCATGC TGGGCCATT CGGGTTGTTA ACATCGAGGG CGTTGATTCC  
AACATGTGCT GTGGGACCCA TGTGAGCAAT CTCAGTGACC TTCAGGTCAT TAAGATTCTG  
GGCACTGAGA AGGGGAAAAA GAACAGAACC AACCTGATAT TTCTGTCTGG GAACCGGGTG  
CTGAAGTGA TGGAGAGAAG TCATGGAAT GAAAAAGCAC TGACTGCTCT GCTTAAGTGT  
GGAGCAGAGG ATCATGTGGA AGCAGTAAA AAGCTCCAGA ACTCCACCAA GATCCTGCAG  
AAGAATAACC TGAATCTGCT CAGAGACCTG GCTGTGCACA TTGCCATAG CCTCAGGAAC  
AGTCCAGACT GGGGAGGTGT GGTCATATTA CACAGGAAGG AGGGTGATTC AGAGTTCATG  
AATATCATTG CCAATGAGAT TGGGTCAGAG GAGACCCTCC TGTTCTTAAC TGTGGGCGAT  
GAGAAAGGTG GTGGACTCTT CTTACTGGCA GGGCCACCTG CGTCTGTGGA GACCCTGGGG  
CCCAGGGTGG CTGAGGTCTT GGAAGGCAAA GGAGCAGGGA AGAAAGGCCG TTTTCAGGGC  
AAGGCCACCA AGATGAGCCG GCGGATGGAG GCGCAGGCCG TTCTCCAGGA CTACATCAGC  
ACGCAGAGTG CTAAGGAGTG A

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Specificity: ORF Insert Method: CloneEZ® Seamless cloning technology, recombination-based cloning technology

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Characteristics: Gene cDNA ORF clone sequences were retrieved from the NCBI Reference Sequence Database (RefSeq). These sequences represent the protein coding region of the gene cDNA ORF which is encoded by the open reading frame (ORF) sequence.

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Sequencing Primer: 

- Forward primer: 5'-TAATACGACTCACTATAGGG-3'
- Reverse primer: 5'-CCTCGACTGTGCCTTCTA-3'

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Grade: End-sequenced

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## Product Details

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Components: The GenEZ ORF clone is delivered as 10 µg of lyophilized plasmid DNA in a vial.

## Target Details

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Gene: PTGES3L-AARSD1

Alternative Name: PTGES3L-AARSD1 ([PTGES3L-AARSD1 Products](#))

Background: 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].

Gene ID: 100885850

NCBI Accession: [NM\\_001136042](#)

## Application Details

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Restrictions: For Research Use only

## Handling

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Format: Lyophilized

Storage: RT/-20 °C

Storage Comment:

- Keep the vial sealed and store at -20°C for long-term storage.
- Before use, centrifuge the vial at 6,000 g x g for 1 minute at 4°C.
- Open the lid and add 100 µl (or other volume depending on your desired final concentration) of distilled water (or TE buffer) to dissolve the DNA.
- If necessary, heat the solution at 50°C for 15 minutes to dissolve the DNA.
- Close the lid and vortex the vial for 1 minute.
- Aliquot the dissolved plasmid DNA and store in small aliquots at -20°C.

Expiry Date: 12 months

## Publications

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Product cited in: Johnson, Drugan, Miller, Evans: "38" in: , Vol. 1363, Issue Nucleic acids research, pp. 28-39, (1991)