

Product datasheet for **RG200884**

PTGES3L-AARSD1 (NM_025267) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PTGES3L-AARSD1 (NM_025267) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PTGES3L-AARSD1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG200884 representing NM_025267
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGTTTTGTGTTGAGGACAGCACCGATGTCCACGTGCTTATTGAGGATCACCGCATTGTGTTACAGT
 GCAAGAATGCCGATGGAGTGGAGTTGTACAATGAGATTGAGTTCTATGCCAAAGTGAAGTCCAAGGACTC
 CCAGGATAAGCGCTCTTCCCGCTCTATTACTTGTGTTGAGAAAATGGAAGGAAAAGGTGGCCTGGCCG
 CGGCTTACCAAGGAGGATATCAAGCCAGTGTGGCTGTCTGTGGACTTTGATAACTGGAGAGACTGGGAAG
 GGGATGAAGAGATGGAGCTGGCTCATGTGGAACATTATGCAGAGCTTTTGAAGAAGGTGAGCACCAAGAG
 ACCTCCACCTGCCATGGATGATTTGGATTTACCACCACCGTGGTCTCTTGCTGTCCCGGAGCTGCAG
 ACTGAAGGGAGCAACGGCAAGAAAGAAGTGTGAGCGGTTCCAAGTGGTGTGGAAGACACAGTGTCTT
 TCCCTGAGGGCGGGGACAGCCTGATGACCGTGGTACAATCAATGACATCTCTGTGCTGAGAGTGACTCG
 CCGTGGGGAACAGGCTGATCATTTCACCCAGACACCCCTGGATCCAGGAAGCCAGGTTCTGGTCCGGGTA
 GATTGGGAGCGGAGGTTTGACCACATGCAGCAGCATTAGGGCAGCATCTCATCACGGCAGTTGCTGACC
 ATCTATTTAAGCTGAAGACAACATCATGGGAGTTAGGGAGATTCGGAGTGCGATTGAGCTGGACACCCC
 CTCTATGACTGCAGAGCAAGTAGCTGCCATTGAGCAGAGCGTCAATGAAAAATCAGAGATCGGCTGCCT
 GTGAATGTCCGAGAACTGAGCCTGGATGATCCTGAGGTGGAGCAGGTGAGTGGCCGGGTTTGCCTGATG
 ATCATGCTGGGCCATTCGGGTTGTTAACATCGAGGGCGTTGATTCCAACATGTGCTGTGGGACCCATGT
 GAGCAATCTCAGTGACCTCAGGTCATTAAGATTCTGGGCACTGAGAAGGGGAAAAAGAACAGAACCAAC
 CTGATATTTCTGTCTGGGAACCGGTGCTGAAGTGGATGGAGAGAAGTCAATGGAAGTAAAAAGCACTGA
 CTGCTCTGCTTAAGTGTGGAGCAGAGGATCATGTGGAAGCAGTAAAAAGCTCCAGAACTCCAAAGAT
 CCTGCAGAAGAATAACCTGAATCTGCTCAGAGACCTGGCTGTGCACATTGCCCATAGCCTCAGGAACAGT
 CCAGACTGGGGAGGTGTGGTCATATTACACAGGAAGGAGGGTGATTGAGATTGATGAATATCATTGCCA
 ATGAGATTGGGTGAGGAGACCCTCTGTTCTTAACTGTGGGCGATGAGAAAGGTGGTGGACTCTTCTT
 ACTGGCAGGGCCACCTGCGTCTGTGGAGACCCTGGGGCCAGGGTGGCTGAGGTCTGGAAGGCAAGGA
 GCAGGGAAGAAAGGCCGTTTTCAGGGCAAGGCCACCAAGATGAGCCGGCGGATGGAGGCGCAGGCGCTTC
 TCCAGGACTACATCAGCACGAGAGTGCTAAGGAG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG200884 representing NM_025267
 Red=Cloning site Green=Tags(s)

MEFCVEDSTDVHVLIEDHRIVFSCKNADGVELYNEIEFYAKVNSKDSQDKRSSRSITCFVRKWKEKVAWP
 RLTKEDIKPVVLSVDFDNWRDWEDEEMELAHVEHYAELLKVVSTKRPPPAMDDLDFTTTVVSCCPAELQ
 TEGSNGKKEVLSGFQVLEDVLFPEGGGQPPDRGTINDISVLRVTRRGEQADHFQTPLDPGSQVLRV
 DWERRFDHMQQHSGQHLITAVADHLFKLKTTSWELGRFRSAIELDTPSMTAEQVAAIEQSVNEKIRDRLP
 VNVRELSLDDPEVEQVSGRGLPDDHAGPIRVVNIIEGVDSNMCCGTHVSNLSDLQVIKILGTEKGGKNRTN
 LIFLSGMRVWKWMERSHGTEKALTALLKCGAEDHVEAVKQLQNSTKILQKNNLNLLRDLAVHIAHSLRNS
 PDWGGVVILHRKEGDSEFMNIIANEIGSEETLLFLTVGDEKGGFLLAGPPASVETLGRPRAEVLEKGG
 AGKKGRFQKATKMSRMEQAALLQDYISTQSAKE

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_025267

ORF Size: 1575 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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

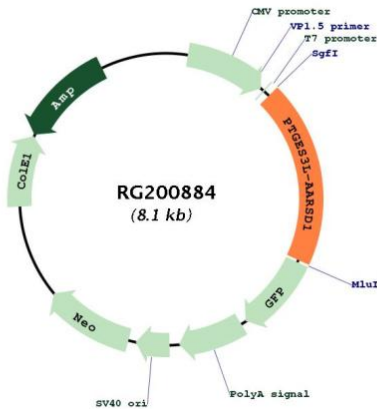
UniProt ID: [Q9BTE6](#)

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]

Product images:



Circular map for RG200884