

Product datasheet for **SC118492**

PLAGL2 (NM_002657) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PLAGL2 (NM_002657) Human Untagged Clone
Tag:	Tag Free
Symbol:	PLAGL2
Synonyms:	ZNF900
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC118492 sequence for NM_002657 edited (data generated by NextGen Sequencing)

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ATGACCACATTTTTACCAGCGTCCCCCTGGATTCAAGATGCAAAGCAGGAGGAGGAA
GTGGGCTGGAACTAGTCCCAGGCCTCGGGCCGGGAGGCGGAGAGTCAAGTGAAGTGC
CAATGTGAAATTCGGGAACACCTTTCTCAAATGGGGAGAAGCTGAGGCCTCACAGCCTC
CCGCAACCAGAGCAGAGACCATATAGCTGCCCTCAGCTGCACTGTGGCAAGGCTTTTGTCT
CCAAAATACAAGCTGTATAGGCACATGGCCACCCACTCAGCCAGAAACCCACCAGTGT
ATGTACTGTGATAAGATGTTTCACCGCAAGGACCATCTGCGGAACCATCTGCAGACCCAT
GATCCTAACAAAGAGGCCCTCCACTGCTCTGAGTGCGGTAAAGAATTACAATACGAAGCTG
GGTACCAGGCCACCTGGCCATGCATGCTGCCAGCAGCGGTGACCTCAGCTGCAAGGTG
TGCCTGCAGACCTTTGAGAGTACCAGGCCCTGCTAGAGCACCTGAAGGCCCACTCACGC
CGGGTAGCAGGCGGTGCCAAGGAGAAGAAGCACCCCTGTGACCACTGCGACCGCGGTTTC
TATACTCGTAAGGATGTACGGCGGCACCTAGTGGTGCACACAGGCCGTAAGGACTTCCTG
TGCCAGTACTGTCCCAGCGTTTGGCCGTAAGGACCACCTGACGCGTCAATGCAAGAAG
AGCCACTCGCAGGAGCTGCTCAAGATCAAGACAGAGCCCGTGGACATGTTAGGCCTACTC
AGCTGCAGCTCCACAGTCAAGTGTGAAGGAAGAGCTGAGCCCTGTGCTGTGCATGGCCTCT
CGGGACGTAATGGGGACCAAGGCCCTCCCTGGCATGTTGCCCATGGGCATGTATGGTGCC
CACATCCCTACCATGCCAGCACGGCGTGCACACTCCCTGGTGCAACACAGCTGCC
ATGGGTATGAGCTACCCTCTGGAATCCTCACCTATCTCTTCCCCAGCTCAGCTCCCTCCA
AAATACCAGCTTGGATCTACCTCATACTTGCCCGACAAATGGCCAAAGTGGAGTGGAT
AGTTTTCTGGCGGAGCTTCTGGAAGCCTGTCTCTCATCCGCTGAACCCAGCCCGCC
TCACCTCAGCCGGCGGACAGTGCAGCCCTCCTAGATGAAGCACTGCTTCCAAGAGCCCC
GCCAACCTCTCTGAGCCCTCTGCGCTGTAATGTGGACTTCTCCACCTACTGGGCTTT
CTTCCACTCAACCTGCCCGCTGTAACCCACCTGGGGCCACAGGAGGCCCTGGTCAATGGGC
TACTCCCAGGCTGAGGCACAGCCCTGCTTACCACTTTGCAAGCTCAGCCTCAAGATTCC
CCAGGAGCTGGGGGACCACTGAACTTTGGGCTCTGCACTCCTTGCCCTCTGTCTTACAG
TCTGGCCTGAGTAGCACCACCCTGCCTCGTTCCATCAAGCATTCCAGTAG
    
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Clone variation with respect to NM_002657.3

5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_002657 unedited
CTATAGGGGCGGCGCGAATTCGCACGAGGGCACAAATGGCCCGACCGCCGCACTACCGG
GGCCTGAGGGGGCCTGGCGGAGCCGAGCGCGGCCCGCCGAGCGTGGGGCCCGGAGC
GCGGTGAAGAGATTGTTTTCTGAAAGCTGCGTTGGAGGCTGTGACAGAGCTGAGAGCCTG
TGTGGAGCGGATGGGGAGGCTTTCTCAATAACATGGCCTTTTGCCATTAGCCTTGCCATG
ACCACATTTTTACCAGCGTCCCCCTGGATTCAAGATGCAAAGCAGGAGGAGGAAGTG
GGCTGGAACACTAGTTCAGGCCCTCGGGCCGGGAGGCGGAGAGTCAAGTGAAGTGCCAA
TGTGAAATTTTCGGGAACACCTTTCTCAAATGGGGAGAAGCTGAGGCCTCACAGCCTCCCG
CAACCAGAGCAGAGACCATATAGCTGCCCTCAGCTGCACTGTGGCAAGGCTTTTGCTTCC
AAATACAAGCTGTATAGGCACCATGGCCACCCACTCAGCCAGAAACCCACCAGTGTAT
GTACTGTGATAAGATGTTTCACCGCAAGGACCATCTGCGGAACCATCTGCAGACCCATGA
TCCTAACAAAGAGGCCCTCCACTGCTCTGAGTGCGGTAAGAATTACAATACGAAGCTGGG
CTTACCAGCGCCACTGGCCATGCATGCTGCCAGCAGCGGTGACCTCAGCTGCAAGGTGT
GCCTGCAGACCTTTGAGAAGTACCAGCCCTGCTAGAGCACCTGAAGGCCCACTCACGCC
GGGTAGCAGGCGGTGCAAGGAGAAGAAGCACCCCTGTGACCACTGCGACCGCGGNTCT
ATACTCGTNAGGATGTACGGCNGCACCTAGTGGTGCACACAGGCCGTANGGACTTNCCTGT
GCCAGTT
    
```

Restriction Sites: NotI-NotI
ACCN: NM_002657
Insert Size: 6000 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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_002657.2](#), [NP_002648.1](#)

RefSeq Size: 5640 bp

RefSeq ORF: 1491 bp

Locus ID: 5326

UniProt ID: [Q9UPG8](#)

Cytogenetics: 20q11.21

Domains: zf-C2H2

Protein Families: Transcription Factors

Gene Summary: Pleiomorphic adenoma gene-like 2 is a zinc-finger protein that recognizes DNA and/or RNA. [provided by RefSeq, Jul 2008]