

Product datasheet for **SC318916**

PLAG1 (NM_001114634) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PLAG1 (NM_001114634) Human Untagged Clone
Tag:	Tag Free
Symbol:	PLAG1
Synonyms:	PSA; SGPA; SRS4; ZNF912
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC318916 representing NM_001114634.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGGCCACTGTCATTCTGGTGATTTGTGAGAAGTAAGAGATACCCAGAAAGTCCCTTCAGGAAACGT
AAGCGTGGTGAAACCAAACCAAGAAAAAATTTCTTGCCAACTGTGTGACAAGGCCTTTAACAGTGTT
GAGAAATTAAGGTTCACTCCTACTCTCACACAGGAGAGAGGCCCTACAAGTGCATACAACAAGACTGC
ACCAAGGCCTTTGTTTCTAAGTACAAATTACAAAGGCACATGGCTACTCATTCTCTGAGAAAAACCCAC
AAGTGAATTATTGTGAGAAAATGTTTCACCGAAAGATCATCTGAAGAATCACCTCCATACACACGAC
CCTAACAAAGAGACGTTTAAAGTGCAGAAGATGTGGCAAGAATAACAATACCAAGCTTGGATTTAAACGT
CACTTGGCCTTGCATGCCGAACAAGTGGTGACCTCACCTGTAAGGTATGTTTCAAACCTTTTAAAAGC
ACGGGAGTGCTTCTGGAGCACCTTAAATCTCATGCAGGCAAGTCGTCTGGTGGGGTTAAAGAAAAAAG
CACCAGTGCGAACATTGTGATCGCCGGTCTACACCCGAAAGGATGTCCGGAGACACATGGTGGTGCAC
ACTGGAAGAAAGGACTTCTCTGTCAAGTATTGTGCACAGAGATTTGGGCGAAAGGATCACCTGACTCGA
CATATGAAGAAGAGTACAAATCAAGAGCTTCTGAAGGTCAAACAGAACCAGTGGATTTCTTGACCCA
TTTACCTGCAATGTGCTGTGCCTATAAAAGACGAGCTCCTTCCGGTGATGTCCTTACCTCCAGTGAA
CTGTTATCAAAGCCATTCACAAACACTTTGCGAGTTAAACCTCTACAACACTCCATTTTCAAGTCCATGCAG
AGCTCGGGATCTGCCACCAATGATCACAACCTTACCTTTGGGAATGACATGCCCAATAGATATGGAC
ACTGTTTCACTCCCTCTACCACCTTTCTTCAAATATCCGTTCAAGTCTACCTCATATGCAATTTCTATT
CCTGAAAAAGAACAGCCATTAAAGGGGGAAATTGAGAGTTACCTGATGGAGTTACAAGGTGGCGTGCCC
TCTTCAATCCCAAGATTCTCAAGCATCGTCATCATCTAAGCTAGGGTTGGATCCTCAGATTGGGTCCTTA
GATGATGGTGCAGGAGACCTCTCCCTATCCAAAAGCTCTATCTCCATCAGTGACCCCTAAACACACCA
GCATTGGATTTTCTCAGTTGTTAATTTACATACCTTTAAATGGTCTCCCTATAATCCTCTATCAGTG
GGGAGCCTTGAATGAGCTATTCCAGGAAGAAGCACATTCTTCTGTTTCCAGCTCCCCCACAACA
CAGGATCTTCAAGATCTGCAAAACTATAGGGCTTGGGTCTCTGCACTCACTGTCAGCAGCTTTTACC
AGCAGTTTAAAGCACAAAGTACCACCCTCCACGTTTCCATCAAGCTTTTCAAGTAG
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI

Plasmid Map: □

ACCN: NM_001114634

Insert Size: 1503 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_001114634.1](#)

RefSeq Size: 7233 bp

RefSeq ORF: 1503 bp

Locus ID: 5324

UniProt ID: [Q6DJT9](#)

Cytogenetics: 8q12.1

Protein Families: Transcription Factors

MW: 55.9 kDa

Gene Summary: Pleomorphic adenoma gene 1 encodes a zinc finger protein with 2 putative nuclear localization signals. PLAG1, which is developmentally regulated, has been shown to be consistently rearranged in pleomorphic adenomas of the salivary glands. PLAG1 is activated by the reciprocal chromosomal translocations involving 8q12 in a subset of salivary gland pleomorphic adenomas. Three transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 both encode the same isoform. Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments.