

Product datasheet for **RG216628**

PLAG1 (NM_002655) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PLAG1 (NM_002655) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PLAG1
Synonyms:	PSA; SGPA; SRS4; ZNF912
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG216628 representing NM_002655
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCACTGTCAATTCCTGGTGATTTGTCAGAAGTAAAGATACCCAGAAAGTCCCTTCAGGAAACGTA
 AGCGTGGTGAAACCAAACCAAGAAAAAATTTCTTGCCAACTGTGTGACAAGGCCTTAAACAGTGTGA
 GAAATTAAGGTTCACTCTACTCTCACACAGGAGAGAGGCCCTACAAGTGCATACAACAAGACTGCACC
 AAGGCCTTTGTTTCTAAGTACAAATTACAAAGGCACATGGCTACTCATTCTCCTGAGAAAACCCACAAGT
 GTAATTATTGTGAGAAAAATGTTTCACCGAAAGATCATCTGAAGAATCACCTCCATACACACGACCTAA
 CAAAGAGACGTTAAGTGCAGAAGATGTGGCAAGAACTACAATACCAAGCTTGGATTTAAACGTCACCTG
 GCCTTGCATGCCCAACAAGTGGTACCTCACCTGTAAGGTATGTTTGCAAACCTTTGAAAGCACGGGAG
 TGCTTCTGGAGCACCTTAAATCTCATGCAGGCAAGTCGTCTGGTGGGTTAAAGAAAAAAGCACCAGTG
 CGAACATTGTGATCGCCGTTCTACACCGAAAGGATGTCGGGAGACACATGGTGGTGCACACTGGAAGA
 AAGGACTTCTCTGTGAGTATTGTGCACAGAGATTTGGGCGAAAGGATCACCTGACTCGACATATGAAGA
 AGAGTCACAATCAAGAGCTTCTGAAGGTCAAAACAGAACCAGTGGATTTCTTGACCCATTTACCTGCAA
 TGTGTCTGTGCCTATAAAAGACGAGCTCCTCCGGTGTGTCCTTACCTCCAGTGAAGTGTATCAAAG
 CCATTCACAAACACTTTGCAGTTAAACCTCTACAACACTCCATTTAGTCCATGCAGAGCTCGGGATCTG
 CCCACCAATGATCACAACCTTACCTTTGGGAATGACATGCCCAATAGATATGGACACTGTTTATCCCTC
 TCACCACCTTTCTTCAAATATCCGTTACGTTCTACCTCATATGCAATTTCTATTCTGAAAAAGAACAG
 CCATTAAGGGGGAAATTGAGAGTTACCTGATGGAGTTACAAGGTGGCGTGCCTCTTATCCCAAGATT
 CTCAAGCATCGTCATCATCTAAGCTAGGTTGGATCCTCAGATTGGTCCCTAGATGATGGTGCAGGAGA
 CCTCTCCCTATCCAAAAGCTCTATCTCCATCAGTGACCCCTAAACACACACAGCATTGGATTTTTCTCAG
 TTGTTTAAATTTACACTTTAAATGGTCTCCCTATAATCCTCTATCAGTGGGGAGCCTTGAATGAGCT
 ATTCCCAGGAAGAAGCACATTCTTCTGTTTCCCAGCTCCCCCACAAACACAGGATCTTCAGGATCCTGC
 AAACACTATAGGGCTTGGGTCTCTGCACTCACTGTGACGAGCTTACCAGCAGTTAAGCACAAAGTACC
 ACCCTCCACGTTTCCATCAAGCTTTTCAG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG216628 representing NM_002655
 Red=Cloning site Green=Tags(s)

MATVIPGDLSEVRDQKVPSPGKRKRGETKPRKNFPCQLCDKAFNSVEKLVHVSYSHTGERPYKCIQQDCT
 KAFVSKYKLRHMATHSPEKTHKCNCEKMFHRKDHLKNHLHHDPNKETFKCEECGKNYNTKLGFKRHL
 ALHAATSGDLTCKVCLQTFESTGVLLLEHLKSHAGKSSGGVKEKKHQCEHCRRFYTRKDVRRHVVHTGR
 KDFLCQYCAQRFGRKDHLTRHMKKSHNQELLKVKTEPVDLDPFTCNVSVPIKDELLPVMSLPSELLSK
 PFTNTLQLNLYNTPFQSMQSSGSAHQMITTLPLGMTCPIDMDTVHPSHLSFKYPFSSTSYAISPEKEQ
 PLKGEIESYLMELQGGVPSSSQDSQASSSSKLGDPQIGSLDDGAGDLSLSKSSISISDPLNTPALDFSQ
 LFNFIPLNGPPYNPLSVGSLGMSYSQEEAHSSVSQLPPQTQDLQDPANTIGLGSLSLSAAFTSSLSTST
 TLPRFHQAQFQ

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_002655

ORF Size: 1500 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_002655.3](#)

RefSeq Size: 7313 bp

RefSeq ORF: 1503 bp

Locus ID: 5324

UniProt ID: [Q6DJT9](#)

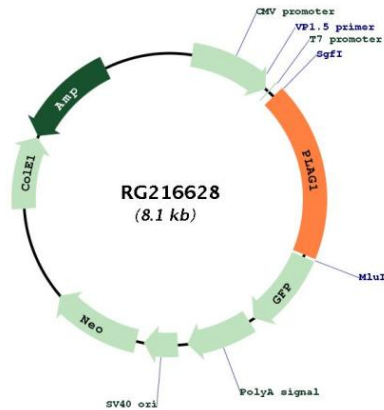
Cytogenetics: 8q12.1

Domains: zf-C2H2

Protein Families: Transcription Factors

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]

Product images:



Circular map for RG216628