

Product datasheet for **RG225662**

PLAG1 (NM_001114635) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PLAG1 (NM_001114635) 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)
ORF Nucleotide Sequence:	>RG225662 representing NM_001114635 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTACTCATTCTCCTGAGAAAACCCACAAGTGAATTATTGTGAGAAAATGTTTCACCGAAAGATC
ATCTGAAGAATCACCTCCATACACACGACCCTAACAAAGAGACGTTTAAGTGCAGAAGATGTGGCAAGAA
CTACAATACCAAGCTTGGATTTAAACGTCACCTTGGCCTTGCATGCCGCAACAAGTGGTACCTCACCTGT
AAGGTATGTTTGCAAACTTTGAAGCACGGGAGTGCTTCTGGAGCACCTTAAATCTCATGCAGGCAAGT
CGTCTGGTGGGGTTAAAGAAAAAAGCACCAGTGCGAACATTGTGATCGCCGGTTCTACACCGAAAGGA
TGTCCGGAGACACATGGTGGTGCACACTGGAAGAAAGGACTTCCTCTGTCAGTATTGTGCACAGAGATTT
GGCGAAAGGATCACCTGACTCGACATATGAAGAAGAGTCACAATCAAGAGCTTCTGAAGGTCAAAAACAG
AACCAGTGGATTTCTTGACCCATTTACCTGCAATGTGTCTGTGCCTATAAAAAGACGAGCTCCTTCCGGT
GATGTCTTACCTTCCAGTGAAGTGTATCAAAGCCATTACAAAACACTTTGCAGTTAAACCTCTACAAC
ACTCCATTTAGTCCATGCAGAGCTCGGGATCTGCCACCAAATGATCACAACCTTACCTTTGGGAATGA
CATGCCAATAGATATGGACACTGTTTATCCCTCTCACCACCTTCTTTCAAATATCCGTTACAGTTCTAC
CTCATATGCAATTTCTATTCTGAAAAAGAAGCAGCCATTAAAGGGGAAATTTGAGAGTTACCTGATGGAG
TTACAAGGTGGCGTCCCTCTTCATCCCAAGATTCTCAAGCATCGTCATCATCTAAGTAGGGTTGGAT
CTCAGATTGGGTCCCTAGATGATGGTGCAGGAGACCTCTCCCTATCCAAAAGCTCTATCTCCATCAGTGA
CCCCCTAAACACACCAGATTGGATTTTCTCAGTTGTTAATTTACATACCTTTAAATGGTCCCTCCCTAT
AATCCTCTATCAGTGGGAGCCTTGAAGTGAAGTATTCCAGGAAGAAGCACATTCTTCTGTTTCCAGC
TCCCCCACAACACAGGATCTTCAGGATCCTGCAAACTATAGGGCTTGGGTCTCTGCACTCACTGTC
AGCAGCTTTCACCAGCAGTTTAAGCACAAAGTACCACCCTCCACGTTTCCATCAAGCTTTTCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG225662 representing NM_001114635
 Red=Cloning site Green=Tags(s)

MATHSPEKTHKCNycekmfhrkdhlknhlhthdpnkETFkCEECGKnyntklGfkrhlalHAATSGDLTC
 KVCLQTFESTGVLLLEHLKSHAGKSSGGVKEKKHQCEHCRRFYTRKDVRRHMVHTGRKDFLCQYCAQRF
 GRKDHLTRHMKKSHNQELLKVKTEPVDFLDPFTCNVSVPIKDELLPVMSLPSELLSKPFTNTLQLNLYN
 TPFQSMQSSGSAHQMITTLPLGMCPIIDMTVHPSHHLSFKYPFSTSYAISPEKEQPLKGEIESYLME
 LQGGVPSSSQDSQASSSKLGLDPQIGSLDDGAGDLSLSSSISISDPLNTPALDFSQLFNFIPLNGPPY
 NPLSVGSLGMSYSQEEAHSSVSQLPPTQDLQDPANTIGLGSLSLSAAFTSSLSTSTTLPRFHQAFQ

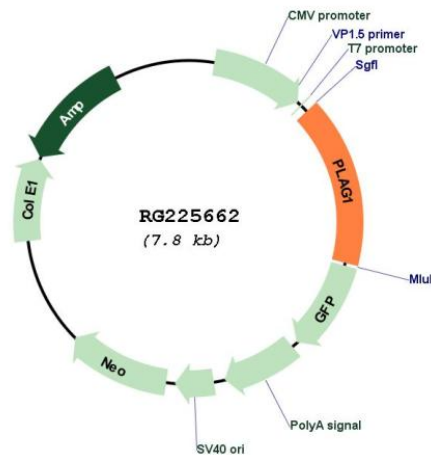
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001114635

ORF Size:	1254 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:	<ol style="list-style-type: none">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_001114635.2
RefSeq Size:	6874 bp
RefSeq ORF:	1257 bp
Locus ID:	5324
UniProt ID:	Q6DJT9
Cytogenetics:	8q12.1
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]