

Product datasheet for **RR204817L4V**

Plag1 (NM_001008316) Rat Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Plag1 (NM_001008316) Rat Tagged ORF Clone Lentiviral Particle
Symbol:	Plag1
Synonyms:	MGC94626
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001008316
ORF Size:	1497 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RR204817).
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.
RefSeq:	NM_001008316.1 , NP_001008317.1
RefSeq Size:	3360 bp
RefSeq ORF:	1500 bp
Locus ID:	297804
UniProt ID:	Q5U2T6
Cytogenetics:	5q12



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Gene Summary:

Transcription factor whose activation results in up-regulation of target genes, such as IGFBP, leading to uncontrolled cell proliferation: when overexpressed in cultured cells, higher proliferation rate and transformation are observed. Other target genes such as CRLF1, CRABP2, CRIP2, PIGF are strongly induced in cells with PLAG1 induction. Proto-oncogene whose ectopic expression can trigger the development of pleomorphic adenomas of the salivary gland and lipoblastomas. Cooperates with CBFβ-MYH11 (By similarity).
[UniProtKB/Swiss-Prot Function]