

Product datasheet for **MC216999**

Plag1 (NM_019969) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Plag1 (NM_019969) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Plag1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC216999 representing NM_019969
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCCACTGTCACTTCTGGTGATTTGTCAGAAGTAAGAGATACCCAGAAAGCCCTTCAGGAAACGTA
 AGCGTGGTGAAAAGCAAACCAAGAAAAAACTTTCCTTGCCAACTGTGTGACAAGGCCTTTAACAGTGTGA
 GAAATTAAGGTTCACTCCTTCTCTCACACGGGAGAGAGGCCCTACAAGTGCACACACCAAGACTGCACC
 AAGGCCTTTGTTTCTAAGTACAAATTACAAAGGCACATGGCTACTCACTCTCCTGAGAAAACCCACAAGT
 GTAATTACTGTGAGAAAAATGTTTCACCGAAAAGACCATCTGAAGAATCACCTCCATACACATGACCCCAA
 CAAAGAGACCTTTAAATGCGAAGAGTGTGGCAAGAGCTACAATACCAAGCTTGGTTTTAAGCGACTTTG
 GCCTTGCACTGCTGCCACCACTGGTACCTCACCTGCAAGGTGTGTTTGCAGAATTTGAGAGCACAGGTG
 TGCTCCTAGAGCACCTGAAATCTCACCGGGCAAGTCATCTGGGGGTGTGAAGGAGAAAAAGCACAATG
 TGAGCACTGCGAACGCAGGTTCTACACCGGAAGGATGTCCGGAGACACATGGTGGTACACACAGGAAGA
 AAGGACTTCTCTGTCACTACTGCGCACAGAGATTTGGACGAAAGGATCACCTCACTCGACACATGAAGA
 AGAGTCACAATCAGGAGCTTCTGAAGGTCAAAACGGAACCAAGTAGATTTCTGGACCCATTTACCTGCAA
 CATGTCTGTGCCTATAAAAGATGAACTCCTGCCGGTCAATGTCCTTACCTTCCAGTGAACCTTTGTCAAAG
 CCATTCACAAACACTTTGCAGTTAAACCTCTATAACACTCCATTTCACTCCATGCAGAGCTCTGGGTCTG
 CTCACCAAATGATAACAACCTTTACCTTTGGGAATGACATGCCCATAGATATGGATGCTGTTACCCCTC
 TCATCATCTTGCTTTCAAATGCCATTCAGTTCACCTCATACGCAATCTCTATTCTGAAAAAGAACAG
 CCATTAAGGGGAAATTGAGAGTTACCTGATGGAGCTACAAGGTGGTGCACCATCTTCATCCCAGGATT
 CTCAGCATCGTCATCTAAGCTAGGTTAGAGCCTCAGAGTGGTCCGACAGATGATGGTGGTGGGACCT
 CTCCTGTCAAAGAGCTCTATCTCTATCAGTGACCCCTCAGCACACCAGCATTGGATTTCTCTCAGTTG
 TTCAATTTCATACCATTGAATGGTCCCTTTAATCCCACTTTCACTGGGAAAGCCTTGGGATGAGCTATT
 CCCAGGAGGAAGCACACTCTTCTGTCTCTCAGCTGCCACACAAACACAGGATCTTCAGGACCTGCAAA
 CACTGTGGGTCTAAGTTCTCTGCACTCACTGTCCGACGCTTACCAGCAGCCTGAGCTCAAGCACTACC
 TTGCCCGTTTCCACCAGGCGTTTCAGTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_019969

Insert Size: 1500 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).

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_019969.3](#), [NP_064353.2](#)

RefSeq Size: 4635 bp

RefSeq ORF: 1500 bp

Locus ID: 56711

UniProt ID: [Q9QYE0](#)

Cytogenetics: 4 A1

Gene Summary: Transcription factor whose activation results in up-regulation of target genes, such as IGFII, 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 CFBF-MYH11.[UniProtKB/Swiss-Prot Function]