

Product datasheet for MR223145L4

Plag1 (NM_019969) Mouse Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Plag1 (NM_019969) Mouse Tagged Lenti ORF Clone

Tag: mGFP Symbol: Plag1

Mammalian Cell Puromycin

Selection: Vector:

pLenti-C-mGFP-P2A-Puro (PS100093)

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide

Sequence:

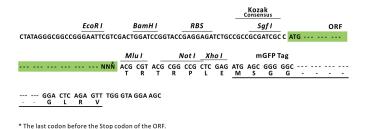
ACCN:

The ORF insert of this clone is exactly the same as(MR223145).

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





NM_019969

ORF Size: 1497 bp



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Plag1 (NM_019969) Mouse Tagged Lenti ORF Clone - MR223145L4

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: <u>NM 019969.3, NP 064353.2</u>

RefSeq Size: 4635 bp
RefSeq ORF: 1500 bp
Locus ID: 56711
UniProt ID: Q9QYE0

Cytogenetics: 4 A1

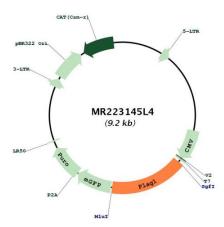
Gene Summary: Transcription factor whose activation results in up-regulation of target genes, such as IGFII,

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 CBFB-MYH11.[UniProtKB/Swiss-Prot

Function]



Product images:



Circular map for MR223145L4