Resource Summary Report

Generated by nidm-terms on Aug 29, 2026

Puro.let-7gsm.Cre

RRID:Addgene_17410
Type: Plasmid

Proper Citation

RRID:Addgene_17410

Plasmid Information

URL: http://www.addgene.org/17410

Proper Citation: RRID:Addgene_17410

Insert Name: Let-7g mutant

Organism: Mus musculus

Bacterial Resistance: Ampicillin

Defining Citation: PMID:18308936

Vector Backbone Description: Backbone Marker:Jacks Lab; Backbone Size:9200; Vector Backbone:Puro.Cre; Vector Types:Mammalian Expression, Lentiviral, Cre/Lox; Bacterial Resistance:Ampicillin

Comments: Puro.let7gsm.Cre was generated by two rounds site-directed mutagenesis of Puro.let7g.Cre with mut1F (5'-GATTCCAGGCTGACCTAGTAGTTTGTACAGTTTGAGGGTCTATGATAC-3'), mut1R (5'-GTATCATAGACCCTCAAACTGTACAAACTACTAGGTCAGCCTGGAATC-3'), mut2F (5'-CAGGAGATAACTGTACAGGCCACTGGGTTGCCAGGAAC-3'), and mut2R (5'-GTTCCTGGCAACCCAGTGGCCTGTACAGTTATCTCCTG-3'). For lentiviral packaging, you can use pCMV-delta-8.2 (Addgene #8455) and pCMV-VSV-G (Addgene #8454).

Plasmid Name: Puro.let-7gsm.Cre

Relevant Mutation: mutated version of let-7g

Record Creation Time: 20220422T222007+0000

Record Last Update: 20260829T080024+0000

Ratings and Alerts

No rating or validation information has been found for Puro.let-7gsm.Cre.

No alerts have been found for Puro.let-7gsm.Cre.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 1 mentions in open access literature.

Listed below are recent publications. The full list is available at nidm-terms .

Yan X, et al. (2013) Maternal obesity downregulates microRNA let-7g expression, a possible mechanism for enhanced adipogenesis during ovine fetal skeletal muscle development. International journal of obesity (2005), 37(4), 568.