

Resource Summary Report

Generated by [dkNET](#) on Aug 25, 2026

MSCV-myrAkt

RRID:Addgene_49267

Type: Plasmid

Proper Citation

RRID:Addgene_49267

Plasmid Information

URL: <http://www.addgene.org/49267>

Proper Citation: RRID:Addgene_49267

Insert Name: Akt

Organism: Bos taurus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:11135576](#)

Vector Backbone Description: Vector Backbone:MSCV 2.2 IRES GFP; Vector Types:Mammalian Expression, Retroviral; Bacterial Resistance:Ampicillin

Comments: Please note that Addgene's sequencing results identified N2D, D149E and A478G mutations in the Akt sequence in this plasmid when compared to GenBank reference sequence AAW71957.1. These mutations were not intentional and the plasmid functions as described in the associated publication (i.e. it is constitutively active).

Plasmid Name: MSCV-myrAkt

Relevant Mutation: N2D, D149E and A478G compared to AAW71957.1

Record Creation Time: 20220422T222254+0000

Record Last Update: 20260815T081559+0000

Ratings and Alerts

No rating or validation information has been found for MSCV-myrAkt.

No alerts have been found for MSCV-myrAkt.

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 [dkNET](#) .

Rasool RU, et al. (2023) Loss of LCMT1 and biased protein phosphatase 2A heterotrimerization drive prostate cancer progression and therapy resistance. Nature communications, 14(1), 5253.