

# Resource Summary Report

Generated by [RRID](#) on Aug 18, 2026

## pMCSG49-AlleyCat7

RRID:Addgene\_42591

Type: Plasmid

### Proper Citation

RRID:Addgene\_42591

### Plasmid Information

**URL:** <http://www.addgene.org/42591>

**Proper Citation:** RRID:Addgene\_42591

**Insert Name:** mutated C-terminal portion of calmodulin gene (M76-K148)

**Organism:** Gallus gallus

**Bacterial Resistance:** Ampicillin

**Defining Citation:** [PMID:23630096](#)

**Vector Backbone Description:** Backbone Marker:Midwest Center for Structural Genomics; Backbone Size:4278; Vector Backbone:pMCSG49; Vector Types:Bacterial Expression; Bacterial Resistance:Ampicillin

**Comments:** Note that numbering for mutations starts with Ala (the second amino acid) immediately after the starting Met.

**Plasmid Name:** pMCSG49-AlleyCat7

**Relevant Mutation:** changed Phenylalanine 92 to Glutamine acid, Isoleucine 85 to Leucine, Alanine 88 to Glutamine, Histidine 107 to Isoleucine, Leucine 112 to Arginine, Methionine 124 to Leucine, Alanine 128 to Threonine, Methionine 144 to Arginine

**Record Creation Time:** 20220422T222220+0000

**Record Last Update:** 20260815T081455+0000

### Ratings and Alerts

No rating or validation information has been found for pMCSG49-AlleyCat7.

No alerts have been found for pMCSG49-AlleyCat7.

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## Data and Source Information

**Source:** [Addgene](#)

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## Usage and Citation Metrics

We have not found any literature mentions for this resource.