

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.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.