

# Resource Summary Report

Generated by [nidm-terms](#) on Sep 5, 2026

## pmCherry-C1-mTrim21?RING-Box

RRID:Addgene\_105517

Type: Plasmid

### Proper Citation

RRID:Addgene\_105517

### Plasmid Information

**URL:** <http://www.addgene.org/105517>

**Proper Citation:** RRID:Addgene\_105517

**Insert Name:** TRIM21

**Organism:** Mus musculus

**Bacterial Resistance:** Kanamycin

**Defining Citation:** [PMID:29153837](#)

**Vector Backbone Description:** Backbone Marker:Clontech; Backbone Size:4692; Vector Backbone:pmCherry-C1; Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

**Comments:** The sequence contains an E318K in mTrim21. This mutation does not affect plasmid function as described in the associated publication.

**Plasmid Name:** pmCherry-C1-mTrim21?RING-Box

**Relevant Mutation:** deletion of RING domain (aa124-462)

**Record Creation Time:** 20220422T221512+0000

**Record Last Update:** 20260905T074327+0000

### Ratings and Alerts

No rating or validation information has been found for pmCherry-C1-mTrim21?RING-Box.

No alerts have been found for pmCherry-C1-mTrim21?RING-Box.

### Data and Source Information

Source: [Addgene](#)

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## Usage and Citation Metrics

We found 3 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [nidm-terms](#) .

Ramar V, et al. (2025) TRIM21 functions as an oncogene in glioblastoma by transactivating FOSL1 and promoting the ubiquitination of p27. Cell communication and signaling : CCS, 23(1), 313.

Kim DS, et al. (2025) The ubiquitin E3 ligase TRIM21 suppresses type I interferon signaling via STING degradation and ameliorates systemic autoimmunity. Experimental & molecular medicine, 57(7), 1555.

Mishra R, et al. (2022) Japanese Encephalitis Virus infection increases USP42 to stabilize TRIM21 and OAS1 for neuroinflammatory and anti-viral response in human microglia. Virology, 573, 131.