

Resource Summary Report

Generated by [SPARC SAWG](#) on Aug 10, 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: 20260808T080342+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](#)

Usage and Citation Metrics

We found 3 mentions in open access literature.

Listed below are recent publications. The full list is available at [SPARC SAWG](#) .

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.