

Resource Summary Report

Generated by [RRID](#) on Aug 28, 2026

pTRIP-CMV-GFP-FLAG-cGAS

RRID:Addgene_86675

Type: Plasmid

Proper Citation

RRID:Addgene_86675

Plasmid Information

URL: <http://www.addgene.org/86675>

Proper Citation: RRID:Addgene_86675

Insert Name: GFP-FLAG-cGAS

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:27013426](#)

Vector Backbone Description: Vector Backbone:pTRIP; Vector Types:Lentiviral;
Bacterial Resistance:Ampicillin

Plasmid Name: pTRIP-CMV-GFP-FLAG-cGAS

Record Creation Time: 20220422T222557+0000

Record Last Update: 20260815T082136+0000

Ratings and Alerts

No rating or validation information has been found for pTRIP-CMV-GFP-FLAG-cGAS.

No alerts have been found for pTRIP-CMV-GFP-FLAG-cGAS.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 12 mentions in open access literature.

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

Raaijmakers JA, et al. (2025) SRBD1, a highly conserved gene required for chromosome individualization. *Cell reports*, 44(4), 115443.

Cho MG, et al. (2024) MRE11 liberates cGAS from nucleosome sequestration during tumorigenesis. *Nature*, 625(7995), 585.

Lai DC, et al. (2024) African swine fever virus early protein pI73R suppresses the type-I IFN promoter activities. *Virus research*, 343, 199342.

Luo J, et al. (2023) Nuclear translocation of cGAS orchestrates VEGF-A-mediated angiogenesis. *Cell reports*, 42(4), 112328.

Steiner A, et al. (2022) Deficiency in coatomer complex I causes aberrant activation of STING signalling. *Nature communications*, 13(1), 2321.

Wu T, et al. (2022) Ambient PM2.5 exposure causes cellular senescence via DNA damage, micronuclei formation, and cGAS activation. *Nanotoxicology*, 16(6-8), 757.

Vidal S, et al. (2021) Expression of the Ebola Virus VP24 Protein Compromises the Integrity of the Nuclear Envelope and Induces a Laminopathy-Like Cellular Phenotype. *mBio*, 12(4), e0097221.

Nava MM, et al. (2020) Heterochromatin-Driven Nuclear Softening Protects the Genome against Mechanical Stress-Induced Damage. *Cell*, 181(4), 800.

Jiang H, et al. (2019) Chromatin-bound cGAS is an inhibitor of DNA repair and hence accelerates genome destabilization and cell death. *The EMBO journal*, 38(21), e102718.

Meade N, et al. (2018) Poxviruses Evade Cytosolic Sensing through Disruption of an mTORC1-mTORC2 Regulatory Circuit. *Cell*, 174(5), 1143.

Dilsaver MR, et al. (2018) Emerin induces nuclear breakage in *Xenopus* extract and early embryos. *Molecular biology of the cell*, 29(26), 3155.

McArthur K, et al. (2018) BAK/BAX macropores facilitate mitochondrial herniation and mtDNA efflux during apoptosis. *Science (New York, N.Y.)*, 359(6378).