

# Resource Summary Report

Generated by [nidm-terms](#) on Aug 9, 2026

## GFP-TREX1

RRID:Addgene\_27219

Type: Plasmid

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### Proper Citation

RRID:Addgene\_27219

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### Plasmid Information

**URL:** <http://www.addgene.org/27219>

**Proper Citation:** RRID:Addgene\_27219

**Insert Name:** TREX1

**Organism:** Homo sapiens

**Bacterial Resistance:** Kanamycin

**Defining Citation:** [PMID:20871604](#)

**Vector Backbone Description:** Backbone Size:4700; Vector Backbone:pEGFP-C1;  
Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

**Plasmid Name:** GFP-TREX1

**Relevant Mutation:** n/a

**Record Creation Time:** 20220422T222122+0000

**Record Last Update:** 20260808T081501+0000

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### Ratings and Alerts

No rating or validation information has been found for GFP-TREX1.

No alerts have been found for GFP-TREX1.

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### Data and Source Information

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

## Usage and Citation Metrics

We found 8 mentions in open access literature.

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

T??cher H, et al. (2024) MRE11 and TREX1 control senescence by coordinating replication stress and interferon signaling. *Nature communications*, 15(1), 5423.

Mathavarajah S, et al. (2023) PML and PML-like exonucleases restrict retrotransposons in jawed vertebrates. *Nucleic acids research*, 51(7), 3185.

Ghosh M, et al. (2023) p53 engages the cGAS/STING cytosolic DNA sensing pathway for tumor suppression. *Molecular cell*, 83(2), 266.

King CR, et al. (2023) Pathogen-driven CRISPR screens identify TREX1 as a regulator of DNA self-sensing during influenza virus infection. *bioRxiv : the preprint server for biology*.

Kim SH, et al. (2022) TREX1 degrades the 3' end of the small DNA oligonucleotide products of nucleotide excision repair in human cells. *Nucleic acids research*, 50(7), 3974.

Hu J, et al. (2021) Hepatitis B virus nucleocapsid uncoating: biological consequences and regulation by cellular nucleases. *Emerging microbes & infections*, 10(1), 852.

Nader GPF, et al. (2021) Compromised nuclear envelope integrity drives TREX1-dependent DNA damage and tumor cell invasion. *Cell*, 184(20), 5230.

Xia Y, et al. (2019) Rescue of DNA damage after constricted migration reveals a mechano-regulated threshold for cell cycle. *The Journal of cell biology*, 218(8), 2545.