Resource Summary Report

Generated by nidm-terms on Aug 9, 2026

GFP-TREX1(D18N)

RRID:Addgene_27220
Type: Plasmid

Proper Citation

RRID:Addgene_27220

Plasmid Information

URL: http://www.addgene.org/27220

Proper Citation: RRID:Addgene_27220

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(D18N)

Relevant Mutation: D18N sequence 52-GAC changed to AAC, resulting in Aspartic acid to Asparagine change.

Record Creation Time: 20220422T222122+0000

Record Last Update: 20260808T081501+0000

Ratings and Alerts

No rating or validation information has been found for GFP-TREX1(D18N).

No alerts have been found for GFP-TREX1(D18N).

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 7 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.

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.