

Resource Summary Report

Generated by [NIF](#) on Jul 31, 2026

TRX1 flag C32S

RRID:Addgene_21284

Type: Plasmid

Proper Citation

RRID:Addgene_21284

Plasmid Information

URL: <http://www.addgene.org/21284>

Proper Citation: RRID:Addgene_21284

Insert Name: TRX1

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:12089063](#)

Vector Backbone Description: Backbone Size:5400; Vector Backbone:pcDNA3-FLAG; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: TRX1 flag C32S

Relevant Mutation: C32S

Record Creation Time: 20220422T222055+0000

Record Last Update: 20260725T074424+0000

Ratings and Alerts

No rating or validation information has been found for TRX1 flag C32S.

No alerts have been found for TRX1 flag C32S.

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 [NIF](#) .

Prasad CB, et al. (2024) The thioredoxin system determines CHK1 inhibitor sensitivity via redox-mediated regulation of ribonucleotide reductase activity. Nature communications, 15(1), 4667.

Prasad CB, et al. (2023) The thioredoxin system determines CHK1 inhibitor sensitivity via redox-mediated regulation of ribonucleotide reductase activity. Research square.

Wason MS, et al. (2018) Cerium Oxide Nanoparticles Sensitize Pancreatic Cancer to Radiation Therapy through Oxidative Activation of the JNK Apoptotic Pathway. Cancers, 10(9).