

Resource Summary Report

Generated by [NIF](#) on Jul 30, 2026

TRX1 flag C35S

RRID:Addgene_21285

Type: Plasmid

Proper Citation

RRID:Addgene_21285

Plasmid Information

URL: <http://www.addgene.org/21285>

Proper Citation: RRID:Addgene_21285

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 C35S

Relevant Mutation: C35S

Record Creation Time: 20220422T222055+0000

Record Last Update: 20260725T074424+0000

Ratings and Alerts

No rating or validation information has been found for TRX1 flag C35S.

No alerts have been found for TRX1 flag C35S.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 4 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).

Booze ML, et al. (2016) A novel mouse model for the identification of thioredoxin-1 protein interactions. Free radical biology & medicine, 99, 533.