

Resource Summary Report

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

GFP-TXNIP

RRID:Addgene_18758

Type: Plasmid

Proper Citation

RRID:Addgene_18758

Plasmid Information

URL: <http://www.addgene.org/18758>

Proper Citation: RRID:Addgene_18758

Insert Name: thioredoxin-interacting protein

Organism: Mus musculus

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:16301999](#)

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

Plasmid Name: GFP-TXNIP

Record Creation Time: 20220422T222042+0000

Record Last Update: 20260725T074403+0000

Ratings and Alerts

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

No alerts have been found for GFP-TXNIP.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 9 mentions in open access literature.

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

Perrichet A, et al. (2025) Cancer cell-derived IL-1?? reverses chemo-immunotherapy resistance in non-small cell lung cancer. Nature communications, 16(1), 10244.

Kim S, et al. (2024) TXNIP-mediated crosstalk between oxidative stress and glucose metabolism. PloS one, 19(2), e0292655.

Han JH, et al. (2023) CHIP Haploinsufficiency Exacerbates Hepatic Steatosis via Enhanced TXNIP Expression and Endoplasmic Reticulum Stress Responses. Antioxidants (Basel, Switzerland), 12(2).

Xue Y, et al. (2021) AAV-Txnip prolongs cone survival and vision in mouse models of retinitis pigmentosa. eLife, 10.

Dong L, et al. (2019) In the absence of apoptosis, myeloid cells arrest when deprived of growth factor, but remain viable by consuming extracellular glucose. Cell death and differentiation, 26(10), 2074.

Frudd K, et al. (2018) Oxidation of Atg3 and Atg7 mediates inhibition of autophagy. Nature communications, 9(1), 95.

Nagaraj K, et al. (2018) Identification of thioredoxin-interacting protein (TXNIP) as a downstream target for IGF1 action. Proceedings of the National Academy of Sciences of the United States of America, 115(5), 1045.

Dong D, et al. (2016) MiR-17 Downregulation by High Glucose Stabilizes Thioredoxin-Interacting Protein and Removes Thioredoxin Inhibition on ASK1 Leading to Apoptosis. Toxicological sciences : an official journal of the Society of Toxicology, 150(1), 84.

Smith SM, et al. (2012) Avian models in teratology and developmental toxicology. Methods in molecular biology (Clifton, N.J.), 889, 85.