

Resource Summary Report

Generated by [RRID](#) on Aug 22, 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: 20260815T081139+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 [RRID](#) .

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.