

Resource Summary Report

Generated by [nidm-terms](#) on Jul 30, 2026

Flag-Keap1

RRID:Addgene_28023

Type: Plasmid

Proper Citation

RRID:Addgene_28023

Plasmid Information

URL: <http://www.addgene.org/28023>

Proper Citation: RRID:Addgene_28023

Insert Name: Keap1

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:20495340](#)

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:5137; Vector Backbone:pcDNA/FRT/TO; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: Flag-Keap1

Record Creation Time: 20220422T222126+0000

Record Last Update: 20260725T074524+0000

Ratings and Alerts

No rating or validation information has been found for Flag-Keap1.

No alerts have been found for Flag-Keap1.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 11 mentions in open access literature.

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

Deen AJ, et al. (2024) Oncogenic KEAP1 mutations activate TRAF2-NF- κ B signaling to prevent apoptosis in lung cancer cells. *Redox biology*, 69, 103031.

Ibrahim L, et al. (2023) Succinylation of a KEAP1 sensor lysine promotes NRF2 activation. *bioRxiv : the preprint server for biology*.

Dong L, et al. (2023) SMURF1 attenuates endoplasmic reticulum stress by promoting the degradation of KEAP1 to activate NRF2 antioxidant pathway. *Cell death & disease*, 14(6), 361.

Aboukassim T, et al. (2023) A NRF2 inhibitor selectively sensitizes KEAP1 mutant tumor cells to cisplatin and gefitinib by restoring NRF2-inhibitory function of KEAP1 mutants. *Cell reports*, 42(9), 113104.

Vasavda C, et al. (2022) Identification of the NRF2 transcriptional network as a therapeutic target for trigeminal neuropathic pain. *Science advances*, 8(31), eabo5633.

Luo A, et al. (2020) Label-Free Interactome Analysis Revealed an Essential Role of CUL3-KEAP1 Complex in Mediating the Ubiquitination and Degradation of PHD2. *Journal of proteome research*, 19(1), 260.

Piao JY, et al. (2020) *Helicobacter pylori* infection induces STAT3 phosphorylation on Ser727 and autophagy in human gastric epithelial cells and mouse stomach. *Scientific reports*, 10(1), 15711.

Hu T, et al. (2019) HDAC5 catalytic activity suppresses cardiomyocyte oxidative stress and NRF2 target gene expression. *The Journal of biological chemistry*, 294(21), 8640.

Ji L, et al. (2019) PIDD interaction with KEAP1 as a new mutation-independent mechanism to promote NRF2 stabilization and chemoresistance in NSCLC. *Scientific reports*, 9(1), 12437.

Jena KK, et al. (2018) TRIM16 controls assembly and degradation of protein aggregates by modulating the p62-NRF2 axis and autophagy. *The EMBO journal*, 37(18).

Bollong MJ, et al. (2018) A metabolite-derived protein modification integrates glycolysis with KEAP1-NRF2 signalling. *Nature*, 562(7728), 600.