

Resource Summary Report

Generated by [NIF](#) on Aug 9, 2026

FLAG-TRAF6-wt

RRID:Addgene_21624

Type: Plasmid

Proper Citation

RRID:Addgene_21624

Plasmid Information

URL: <http://www.addgene.org/21624>

Proper Citation: RRID:Addgene_21624

Insert Name: TNF receptor-associated factor 6

Organism: Mus musculus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:15456887](#)

Vector Backbone Description: Backbone Marker:Dr. David Russell, UTSW; Backbone Size:4700; Vector Backbone:pCMV5; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: FLAG-TRAF6-wt

Record Creation Time: 20220422T222056+0000

Record Last Update: 20260808T081411+0000

Ratings and Alerts

No rating or validation information has been found for FLAG-TRAF6-wt.

No alerts have been found for FLAG-TRAF6-wt.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 24 mentions in open access literature.

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

Kolapalli SP, et al. (2025) Pellino 3 E3 ligase promotes starvation-induced autophagy to prevent hepatic steatosis. *Science advances*, 11(3), eadr2450.

Kim JY, et al. (2025) TXNIP Suppresses Lung Cancer Progression by Inhibiting TRAF6-Mediated NF- κ B Activation and Autophagy. *Immune network*, 25(5), e33.

Lim MCC, et al. (2025) CYLD-TRAF6 interaction promotes ADP-heptose-induced NF- κ B signaling in *H. pylori* infection. *EMBO reports*, 26(13), 3241.

Sugimoto-Ishige A, et al. (2025) Fbxo16 mediates degradation of NF- κ B p65 subunit and inhibits inflammatory response in dendritic cells. *Frontiers in immunology*, 16, 1524110.

Levi-D'Ancona E, et al. (2025) TRAF6 integrates innate immune signals to regulate glucose homeostasis via Parkin-dependent and Parkin-independent mitophagy. *Science advances*, 11(41), eadw4153.

Takada A, et al. (2024) Development of an optogenetics tool, Opto-RANK, for control of osteoclast differentiation using blue light. *Scientific reports*, 14(1), 1749.

Kim MJ, et al. (2022) USP8 regulates liver cancer progression via the inhibition of TRAF6-mediated signal for NF- κ B activation and autophagy induction by TLR4. *Translational oncology*, 15(1), 101250.

Kim MJ, et al. (2022) USP15 negatively regulates lung cancer progression through the TRAF6-BECN1 signaling axis for autophagy induction. *Cell death & disease*, 13(4), 348.

Son J, et al. (2021) Hepatitis B virus X Protein Promotes Liver Cancer Progression through Autophagy Induction in Response to TLR4 Stimulation. *Immune network*, 21(5), e37.

Kim MJ, et al. (2020) p62 is Negatively Implicated in the TRAF6-BECN1 Signaling Axis for Autophagy Activation and Cancer Progression by Toll-Like Receptor 4 (TLR4). *Cells*, 9(5).

Vemula SK, et al. (2020) The Interaction of TRAF6 With Neuroplastin Promotes Spinogenesis During Early Neuronal Development. *Frontiers in cell and developmental biology*, 8, 579513.

Sanchez-Martin P, et al. (2020) Regulation of the autophagic PI3KC3 complex by laforin/malin E3-ubiquitin ligase, two proteins involved in Lafora disease. *Biochimica et biophysica acta. Molecular cell research*, 1867(2), 118613.

Kim MJ, et al. (2020) AMPK γ 1 Regulates Lung and Breast Cancer Progression by Regulating TLR4-Mediated TRAF6-BECN1 Signaling Axis. *Cancers*, 12(11).

Bellet MM, et al. (2020) HOPS/Tmub1 involvement in the NF- κ B-mediated inflammatory response through the modulation of TRAF6. *Cell death & disease*, 11(10), 865.

Arora H, et al. (2019) The ATP-Binding Cassette Gene ABCF1 Functions as an E2 Ubiquitin-Conjugating Enzyme Controlling Macrophage Polarization to Dampen Lethal Septic Shock. *Immunity*, 50(2), 418.

Sun S, et al. (2019) A novel inhibitor of nuclear factor kappa-B kinase subunit gamma mutation identified in an incontinentia pigmenti patient with syndromic tooth agenesis. *Archives of oral biology*, 101, 100.

Ivanova S, et al. (2019) Regulation of death receptor signaling by the autophagy protein TP53INP2. *The EMBO journal*, 38(10).

Kim MJ, et al. (2019) CRBN Is a Negative Regulator of Bactericidal Activity and Autophagy Activation Through Inhibiting the Ubiquitination of ECSIT and BECN1. *Frontiers in immunology*, 10, 2203.

Gassen NC, et al. (2019) SKP2 attenuates autophagy through Beclin1-ubiquitination and its inhibition reduces MERS-Coronavirus infection. *Nature communications*, 10(1), 5770.

Min Y, et al. (2018) Inhibition of TRAF6 ubiquitin-ligase activity by PRDX1 leads to inhibition of NFKB activation and autophagy activation. *Autophagy*, 14(8), 1347.