

Resource Summary Report

Generated by [RRID](#) on Aug 26, 2026

[pCGN-ATF6 \(1-373\)](#)

RRID:Addgene_27173

Type: Plasmid

Proper Citation

RRID:Addgene_27173

Plasmid Information

URL: <http://www.addgene.org/27173>

Proper Citation: RRID:Addgene_27173

Insert Name: ATF6

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:10856300](#)

Vector Backbone Description: Backbone Size:7500; Vector Backbone:pCGN; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: This is the activated (nuclear) form of ATF6. Please note that mutation M13I in ATF6 was found during Addgene's quality control. The plasmid should function as described in the associated publication above.

Plasmid Name: pCGN-ATF6 (1-373)

Relevant Mutation: Contains only aa 1-373 (please see depositor comments below)

Record Creation Time: 20220422T222122+0000

Record Last Update: 20260815T081300+0000

Ratings and Alerts

No rating or validation information has been found for pCGN-ATF6 (1-373).

No alerts have been found for pCGN-ATF6 (1-373).

Data and Source Information

Usage and Citation Metrics

We found 14 mentions in open access literature.

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

Caddell TM, et al. (2026) Coronavirus M protein disperses the trans-Golgi network and inhibits anterograde protein trafficking in the secretory pathway. PLoS pathogens, 22(5), e1014117.

Rösing S, et al. (2024) Chronic endoplasmic reticulum stress in myotonic dystrophy type 2 promotes autoimmunity via mitochondrial DNA release. Nature communications, 15(1), 1534.

Ibe NU, et al. (2021) Non-canonical activation of the ER stress sensor ATF6 by Legionella pneumophila effectors. Life science alliance, 4(12).

Xue F, et al. (2021) Coordinated signaling of activating transcription factor 6 α and inositol-requiring enzyme 1 α regulates hepatic stellate cell-mediated fibrogenesis in mice. American journal of physiology. Gastrointestinal and liver physiology, 320(5), G864.

Kim HS, et al. (2019) The p38-activated ER stress-ATF6 α axis mediates cellular senescence. FASEB journal : official publication of the Federation of American Societies for Experimental Biology, 33(2), 2422.

Xiao X, et al. (2019) HHQ-4, a quinoline derivate, preferentially inhibits proliferation of glucose-deprived breast cancer cells as a GRP78 down-regulator. Toxicology and applied pharmacology, 373, 10.

Walter F, et al. (2018) ER stress signaling has an activating transcription factor 6 α (ATF6)-dependent "off-switch". The Journal of biological chemistry, 293(47), 18270.

Feng YX, et al. (2017) Cancer-specific PERK signaling drives invasion and metastasis through CREB3L1. Nature communications, 8(1), 1079.

Jegal KH, et al. (2017) Activating transcription factor 6-dependent sestrin 2 induction ameliorates ER stress-mediated liver injury. Biochimica et biophysica acta. Molecular cell research, 1864(7), 1295.

Takarada T, et al. (2016) Upregulation of Slc38a1 Gene Along with Promotion of Neurosphere Growth and Subsequent Neuronal Specification in Undifferentiated Neural Progenitor Cells Exposed to Theanine. Neurochemical research, 41(1-2), 5.

Takarada T, et al. (2016) Protective upregulation of activating transcription factor-3 against glutamate neurotoxicity in neuronal cells under ischemia. Journal of neuroscience research, 94(5), 378.

Pagliarini V, et al. (2015) Downregulation of E2F1 during ER stress is required to induce apoptosis. Journal of cell science, 128(6), 1166.

Déry MA, et al. (2013) Endoplasmic reticulum stress induces PRNP prion protein gene expression in breast cancer. Breast cancer research : BCR, 15(2), R22.

Takayanagi S, et al. (2013) Gene regulatory network of unfolded protein response genes in endoplasmic reticulum stress. Cell stress & chaperones, 18(1), 11.