

Resource Summary Report

Generated by [dkNET](#) on May 2, 2025

EF.STAT3C.Ubc.GFP

RRID:Addgene_24983

Type: Plasmid

Proper Citation

RRID:Addgene_24983

Plasmid Information

URL: <http://www.addgene.org/24983>

Proper Citation: RRID:Addgene_24983

Insert Name: STAT3

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:19074878](#)

Vector Backbone Description: Backbone Size:11500; Vector Backbone:cFUGW; Vector Types:Mammalian Expression, Lentiviral; Bacterial Resistance:Ampicillin

Comments: A V667L mutation is present but not known to affect function. Expression of EGFP is driven by the human ubiquitin promoter. See Addgene plasmid 14883: FUGW for more information on the empty vector.

Plasmid Name: EF.STAT3C.Ubc.GFP

Relevant Mutation: A662C, N664C (constitutively active)

Record Creation Time: 20220422T222111+0000

Record Last Update: 20231115T080707+0000

Ratings and Alerts

No rating or validation information has been found for EF.STAT3C.Ubc.GFP.

No alerts have been found for EF.STAT3C.Ubc.GFP.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 12 mentions in open access literature.

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

Lu Y, et al. (2024) Dynamic phenotypic reprogramming and chemoresistance induced by lung fibroblasts in small cell lung cancer. Scientific reports, 14(1), 2884.

Fisher ML, et al. (2023) Cancer-associated fibroblasts promote cancer stemness by inducing expression of the chromatin-modifying protein CBX4 in squamous cell carcinoma. Carcinogenesis, 44(6), 485.

Zhao Q, et al. (2022) Niraparib-induced STAT3 inhibition increases its antitumor effects. Frontiers in oncology, 12, 966492.

Yucel B, et al. (2022) STAT3 mediated regulation of glucose metabolism in leukemia cells. Gene, 809, 146012.

Fisher ML, et al. (2021) BRD4 Regulates Transcription Factor ?Np63? to Drive a Cancer Stem Cell Phenotype in Squamous Cell Carcinomas. Cancer research, 81(24), 6246.

Wang L, et al. (2021) Suppressing STAT3 activity protects the endothelial barrier from VEGF-mediated vascular permeability. Disease models & mechanisms, 14(11).

Nalairndran G, et al. (2021) Inhibition of Janus Kinase 1 synergizes docetaxel sensitivity in prostate cancer cells. Journal of cellular and molecular medicine, 25(17), 8187.

Wang L, et al. (2020) Suppressing STAT3 activity protects the endothelial barrier from VEGF-mediated vascular permeability. bioRxiv : the preprint server for biology.

Morris EJ, et al. (2020) A Model of Differential Mammary Growth Initiation by Stat3 and Asymmetric Integrin-?6 Inheritance. Cell reports, 30(11), 3605.

Zhang C, et al. (2020) Direct inhibition of the TLR4/MyD88 pathway by geniposide suppresses HIF-1?-independent VEGF expression and angiogenesis in hepatocellular carcinoma. British journal of pharmacology, 177(14), 3240.

Ji XL, et al. (2019) Sodium cantharidate targets STAT3 and abrogates EGFR inhibitor

resistance in osteosarcoma. *Aging*, 11(15), 5848.

Sun H, et al. (2018) An inflammatory-CCRK circuitry drives mTORC1-dependent metabolic and immunosuppressive reprogramming in obesity-associated hepatocellular carcinoma. *Nature communications*, 9(1), 5214.