

Resource Summary Report

Generated by [RRID](#) on Aug 25, 2026

eGFP STAT1 WT

RRID:Addgene_12301

Type: Plasmid

Proper Citation

RRID:Addgene_12301

Plasmid Information

URL: <http://www.addgene.org/12301>

Proper Citation: RRID:Addgene_12301

Insert Name: STAT1

Organism: Homo sapiens

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:16799645](#)

Vector Backbone Description: Backbone Marker:Clontech; Backbone Size:4700; Vector Backbone:pEGFP-C1; Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Comments: The STAT1 full-size coding region was amplified using total cDNA from SK-NP-1 cells and cloned into pEGFP-C1. The hSTAT1 insert contains an N372D mutation compared to all available reference sequences.

Plasmid Name: eGFP STAT1 WT

Record Creation Time: 20220422T221643+0000

Record Last Update: 20260815T080349+0000

Ratings and Alerts

No rating or validation information has been found for eGFP STAT1 WT.

No alerts have been found for eGFP STAT1 WT.

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 [RRID](#) .

Wang S, et al. (2025) A feedforward loop between STAT1 and YAP1 stimulates lipid biosynthesis, accelerates tumor growth, and promotes chemotherapy resistance in mutant KRAS colorectal cancer. *Communications biology*, 8(1), 1278.

Zhang R, et al. (2025) PKC γ regulates the secretion of PDL1-carrying small extracellular vesicles in a p53-dependent manner. *Cell death & disease*, 16(1), 19.

Ghosh C, et al. (2024) Type I gamma phosphatidylinositol phosphate 5-kinase i5 controls cell sensitivity to interferon. *Developmental cell*.

Mesev EV, et al. (2023) Membrane-proximal motifs encode differences in signaling strength between type I and III interferon receptors. *Science signaling*, 16(806), eadf5494.

Niu J, et al. (2019) Fatty acids and cancer-amplified ZDHHC19 promote STAT3 activation through S-palmitoylation. *Nature*, 573(7772), 139.

Nitulescu II, et al. (2017) Mediator Kinase Phosphorylation of STAT1 S727 Promotes Growth of Neoplasms With JAK-STAT Activation. *EBioMedicine*, 26, 112.

Yang L, et al. (2017) Porcine Reproductive and Respiratory Syndrome Virus Antagonizes JAK/STAT3 Signaling via nsp5, Which Induces STAT3 Degradation. *Journal of virology*, 91(3).

Trinh B, et al. (2015) The homeoprotein DLX4 controls inducible nitric oxide synthase-mediated angiogenesis in ovarian cancer. *Molecular cancer*, 14, 97.

Mounayar M, et al. (2015) PI3K γ and STAT1 Interplay Regulates Human Mesenchymal Stem Cell Immune Polarization. *Stem cells (Dayton, Ohio)*, 33(6), 1892.

Salvucci O, et al. (2015) EphrinB2 controls vessel pruning through STAT1-JNK3 signalling. *Nature communications*, 6, 6576.

Dickerman BK, et al. (2015) The protein activator of protein kinase R, PACT/RAX, negatively regulates protein kinase R during mouse anterior pituitary development. *The FEBS journal*, 282(24), 4766.