

Resource Summary Report

Generated by [PRECISE-TBI](#) on Sep 4, 2026

eGFP STAT1 S727A

RRID:Addgene_12304

Type: Plasmid

Proper Citation

RRID:Addgene_12304

Plasmid Information

URL: <http://www.addgene.org/12304>

Proper Citation: RRID:Addgene_12304

Insert Name: STAT1 S727A

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-NEP-1 cells and cloned into pEGFP-C1. S727A mutation made using QuikChange mutagenesis kit.

Plasmid Name: eGFP STAT1 S727A

Relevant Mutation: S727A

Record Creation Time: 20220422T221644+0000

Record Last Update: 20260902T041526+0000

Ratings and Alerts

No rating or validation information has been found for eGFP STAT1 S727A.

No alerts have been found for eGFP STAT1 S727A.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

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.

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

Gupte R, et al. (2021) Nuclear ADP-ribosylation drives IFN γ -dependent STAT1 γ enhancer formation in macrophages. Nature communications, 12(1), 3931.

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

Darvin P, et al. (2017) Tannic acid inhibits EGFR/STAT1/3 and enhances p38/STAT1 signalling axis in breast cancer cells. Journal of cellular and molecular medicine, 21(4), 720.