Resource Summary Report

Generated by NIF on Sep 2, 2026

pCDNA3-STAT3-Y705F

RRID:Addgene_74434
Type: Plasmid

Proper Citation

RRID:Addgene_74434

Plasmid Information

URL: http://www.addgene.org/74434

Proper Citation: RRID:Addgene_74434

Insert Name: Signal Transducer And Activator Of Transcription 3 (Acute-Phase Response Factor)

Organism: Mus musculus

Bacterial Resistance: Ampicillin

Defining Citation: PMID:19875458

Vector Backbone Description: Vector Backbone:pCDNA3; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: E16K mutation originated in Plasmid #8706 but does not affect function. WT control for Plasmid 74434: pCDNA3-STAT3-Y705F is Plasmid 8706: Stat3 pcDNA3 from the Darnell lab.

Plasmid Name: pCDNA3-STAT3-Y705F

Relevant Mutation: Mutations E16K, Y705F

Record Creation Time: 20220422T222454+0000

Record Last Update: 20260902T050126+0000

Ratings and Alerts

No rating or validation information has been found for pCDNA3-STAT3-Y705F.

No alerts have been found for pCDNA3-STAT3-Y705F.

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 NIF .

Yoon JH, et al. (2024) Repression of SMAD3 by STAT3 and c-Ski induces conventional dendritic cell differentiation. Life science alliance, 7(9).

Strobel TD, et al. (2023) Revisiting the role of endogenous STAT3 in HPV-positive cervical cancer cells. Journal of medical virology, 95(11), e29230.

Razidlo GL, et al. (2018) Interleukin-6 promotes pancreatic cancer cell migration by rapidly activating the small GTPase CDC42. The Journal of biological chemistry, 293(28), 11143.

Yamamoto K, et al. (2017) Effects of Ascorbyl-2-phosphate Magnesium on Human Keratinocyte Toxicity and Pathological Changes by Sorafenib. Biological & pharmaceutical bulletin, 40(9), 1530.

Cheng X, et al. (2017) Essential role of mitochondrial Stat3 in p38MAPK mediated apoptosis under oxidative stress. Scientific reports, 7(1), 15388.