

Resource Summary Report

Generated by [NIF](#) on Jul 30, 2026

pCINeo-myc-Itch/2859

RRID:Addgene_11427

Type: Plasmid

Proper Citation

RRID:Addgene_11427

Plasmid Information

URL: <http://www.addgene.org/11427>

Proper Citation: RRID:Addgene_11427

Insert Name: Itch

Organism: Mus musculus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:12907674](#)

Vector Backbone Description: Backbone Marker:Promega; Backbone Size:5400; Vector Backbone:pCI-Neo; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: Plasmid contains ~1kb of 3' UTR of the mouse Itch gene.

Plasmid Name: pCINeo-myc-Itch/2859

Relevant Mutation: n/a

Record Creation Time: 20220422T221558+0000

Record Last Update: 20260725T073537+0000

Ratings and Alerts

No rating or validation information has been found for pCINeo-myc-Itch/2859.

No alerts have been found for pCINeo-myc-Itch/2859.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 9 mentions in open access literature.

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

Shanmugam SK, et al. (2025) Decoding polyubiquitin regulation of KV7. 1 (KCNQ1) surface expression with engineered linkage-selective deubiquitinases. *Nature communications*, 16(1), 5805.

Peng M, et al. (2024) p27 specifically decreases in squamous carcinoma, and mediates NNK-induced transformation of human bronchial epithelial cells. *Journal of cellular and molecular medicine*, 28(15), e18577.

Yin Q, et al. (2019) K27-linked ubiquitination of BRAF by ITCH engages cytokine response to maintain MEK-ERK signaling. *Nature communications*, 10(1), 1870.

Nguyen HT, et al. (2017) DUB3 Deubiquitylating Enzymes Regulate Hippo Pathway Activity by Regulating the Stability of ITCH, LATS and AMOT Proteins. *PloS one*, 12(1), e0169587.

Park SH, et al. (2015) Itch E3 ubiquitin ligase positively regulates TGF- β signaling to EMT via Smad7 ubiquitination. *Molecules and cells*, 38(1), 20.

Chhangani D, et al. (2014) Ubiquitin ligase ITCH recruitment suppresses the aggregation and cellular toxicity of cytoplasmic misfolded proteins. *Scientific reports*, 4, 5077.

Pérez-Mancera PA, et al. (2012) The deubiquitinase USP9X suppresses pancreatic ductal adenocarcinoma. *Nature*, 486(7402), 266.

Moreno-García ME, et al. (2010) MAGUK-controlled ubiquitination of CARMA1 modulates lymphocyte NF-kappaB activity. *Molecular and cellular biology*, 30(4), 922.

Ahn YH, et al. (2009) MKK4/SEK1 is negatively regulated through a feedback loop involving the E3 ubiquitin ligase itch. *The Journal of biological chemistry*, 284(43), 29399.