

Resource Summary Report

Generated by [NIF](#) on Sep 2, 2026

pcDNA3-DN-hCUL5-FLAG

RRID:Addgene_15823

Type: Plasmid

Proper Citation

RRID:Addgene_15823

Plasmid Information

URL: <http://www.addgene.org/15823>

Proper Citation: RRID:Addgene_15823

Insert Name: Cullin5

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:16338364](#)

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:5400; Vector Backbone:pcDNA3.1(+); Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: C-terminal truncation of hCul5: amino acids 1-441.

Plasmid Name: pcDNA3-DN-hCUL5-FLAG

Relevant Mutation: Dominant negative: N441

Record Creation Time: 20220422T221856+0000

Record Last Update: 20260902T042459+0000

Ratings and Alerts

No rating or validation information has been found for pcDNA3-DN-hCUL5-FLAG.

No alerts have been found for pcDNA3-DN-hCUL5-FLAG.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 8 mentions in open access literature.

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

Zhang Z, et al. (2021) HIV-2 Vif and foamy virus Bet antagonize APOBEC3B by different mechanisms. *Virology*, 554, 17.

Fu SJ, et al. (2020) CUL4-DDB1-CRBN E3 Ubiquitin Ligase Regulates Proteostasis of CLC-2 Chloride Channels: Implication for Aldosteronism and Leukodystrophy. *Cells*, 9(6).

Bailly AP, et al. (2019) The Balance between Mono- and NEDD8-Chains Controlled by NEDP1 upon DNA Damage Is a Regulatory Module of the HSP70 ATPase Activity. *Cell reports*, 29(1), 212.

Lai TC, et al. (2019) Regulation of liver receptor homologue-1 by DDB2 E3 ligase activity is critical for hepatic glucose metabolism. *Scientific reports*, 9(1), 5304.

Gu Q, et al. (2018) Identification of a Conserved Interface of Human Immunodeficiency Virus Type 1 and Feline Immunodeficiency Virus Vifs with Cullin 5. *Journal of virology*, 92(6).

Greenwood EJ, et al. (2016) Temporal proteomic analysis of HIV infection reveals remodelling of the host phosphoproteome by lentiviral Vif variants. *eLife*, 5.

Chang TH, et al. (2016) Regulation of the Abundance of Kaposi's Sarcoma-Associated Herpesvirus ORF50 Protein by Oncoprotein MDM2. *PLoS pathogens*, 12(10), e1005918.

Chen YA, et al. (2015) The Cullin 4A/B-DDB1-Cereblon E3 Ubiquitin Ligase Complex Mediates the Degradation of CLC-1 Chloride Channels. *Scientific reports*, 5, 10667.