

Resource Summary Report

Generated by [RRID](#) on Aug 27, 2026

pcDNA3-myc3-CUL4A

RRID:Addgene_19951

Type: Plasmid

Proper Citation

RRID:Addgene_19951

Plasmid Information

URL: <http://www.addgene.org/19951>

Proper Citation: RRID:Addgene_19951

Insert Name: CUL4A (cullin 4A)

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:12504025](#)

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:5437; Vector Backbone:pcDNA3; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: The CUL4A insert in this plasmid contains a K644R substitution when compared to GenBank reference sequence NM_001008895.

Plasmid Name: pcDNA3-myc3-CUL4A

Record Creation Time: 20220422T222048+0000

Record Last Update: 20260815T081150+0000

Ratings and Alerts

No rating or validation information has been found for pcDNA3-myc3-CUL4A.

No alerts have been found for pcDNA3-myc3-CUL4A.

Data and Source Information

Usage and Citation Metrics

We found 15 mentions in open access literature.

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

Xu T, et al. (2025) Targeted O-GlcNAcylation of CK2? Triggers Its Ubiquitin-Proteasome Degradation and Alters Downstream Phosphorylation. *ACS chemical biology*, 20(7), 1646.

Baptista SJS, et al. (2025) CSP ubiquitylation favours Plasmodium berghei survival during early liver stage infection. *Scientific reports*, 15(1), 14498.

Yin C, et al. (2021) Proteolysis of γ -tubulin small complex proteins is mediated by the ubiquitin-proteasome system. *FEBS letters*, 595(15), 1987.

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).

Bayraktar G, et al. (2020) Synaptic control of DNA methylation involves activity-dependent degradation of DNMT3A1 in the nucleus. *Neuropsychopharmacology : official publication of the American College of Neuropsychopharmacology*, 45(12), 2120.

Zhou W, et al. (2018) UBE2M Is a Stress-Inducible Dual E2 for Neddylation and Ubiquitylation that Promotes Targeted Degradation of UBE2F. *Molecular cell*, 70(6), 1008.

Wang YT, et al. (2017) Ubiquitination of tumor suppressor PML regulates prometastatic and immunosuppressive tumor microenvironment. *The Journal of clinical investigation*, 127(8), 2982.

Lin S, et al. (2017) A FOXO1-induced oncogenic network defines the AML1-ETO preleukemic program. *Blood*, 130(10), 1213.

Hsu PH, et al. (2017) Cullin 7 mediates proteasomal and lysosomal degradations of rat Eag1 potassium channels. *Scientific reports*, 7, 40825.

Mudhasani R, et al. (2016) Protein Kinase R Degradation Is Essential for Rift Valley Fever Virus Infection and Is Regulated by SKP1-CUL1-F-box (SCF)FBXW11-NSs E3 Ligase. *PLoS pathogens*, 12(2), e1005437.

Ren W, et al. (2016) Jak-STAT3 pathway triggers DICER1 for proteasomal degradation by ubiquitin ligase complex of CUL4A(DCAF1) to promote colon cancer development. *Cancer letters*, 375(2), 209.

Peng YJ, et al. (2016) Regulation of CLC-1 chloride channel biosynthesis by FKBP8 and Hsp90?. *Scientific reports*, 6, 32444.

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.

Pentecost M, et al. (2015) Evidence for ubiquitin-regulated nuclear and subnuclear trafficking among Paramyxovirinae matrix proteins. *PLoS pathogens*, 11(3), e1004739.

Wu Z, et al. (2012) Targeted ubiquitination and degradation of G-protein-coupled receptor kinase 5 by the DDB1-CUL4 ubiquitin ligase complex. *PloS one*, 7(8), e43997.