

Resource Summary Report

Generated by [RRID](#) on Aug 24, 2026

pcDNA3-myc3-bTrCP

RRID:Addgene_20718

Type: Plasmid

Proper Citation

RRID:Addgene_20718

Plasmid Information

URL: <http://www.addgene.org/20718>

Proper Citation: RRID:Addgene_20718

Insert Name: beta-transducin repeat containing (BTRC)

Organism: Mus musculus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:11245432](#)

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:5486; Vector Backbone:pcDNA3-myc3; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: *possible Y377I mutation in stock. This mutation is not known to affect function.

Plasmid Name: pcDNA3-myc3-bTrCP

Relevant Mutation: *

Record Creation Time: 20220422T222052+0000

Record Last Update: 20260815T081157+0000

Ratings and Alerts

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

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

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 7 mentions in open access literature.

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

Jin B, et al. (2024) SCFFBXW11 Complex Targets Interleukin-17 Receptor A for Ubiquitin-Proteasome-Mediated Degradation. *Biomedicines*, 12(4).

Matzinger M, et al. (2020) AMPK leads to phosphorylation of the transcription factor Nrf2, tuning transactivation of selected target genes. *Redox biology*, 29, 101393.

Hossain S, et al. (2018) The RASSF6 Tumor Suppressor Protein Regulates Apoptosis and Cell Cycle Progression via Retinoblastoma Protein. *Molecular and cellular biology*, 38(17).

Long MJ, et al. (2017) β -TrCP1 Is a Vacillatory Regulator of Wnt Signaling. *Cell chemical biology*, 24(8), 944.

Carbonneau M, et al. (2016) The oncometabolite 2-hydroxyglutarate activates the mTOR signalling pathway. *Nature communications*, 7, 12700.

González-Terán B, et al. (2016) p38 α and β promote heart hypertrophy by targeting the mTOR-inhibitory protein DEPTOR for degradation. *Nature communications*, 7, 10477.

Mbom BC, et al. (2014) Nek2 phosphorylates and stabilizes β -catenin at mitotic centrosomes downstream of Plk1. *Molecular biology of the cell*, 25(7), 977.