

Resource Summary Report

Generated by [RRID](#) on Aug 23, 2026

pBD-0016

RRID:Addgene_12345

Type: Plasmid

Proper Citation

RRID:Addgene_12345

Plasmid Information

URL: <http://www.addgene.org/12345>

Proper Citation: RRID:Addgene_12345

Insert Name: VCP R313K

Organism: Mus musculus

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:16713576](#)

Vector Backbone Description: Backbone Size:5400; Vector Backbone:pET-28a; Vector Types:Bacterial Expression; Bacterial Resistance:Kanamycin

Comments: *Please note: Addgene's quality control sequencing results identified an I206V amino acid residue substitution in the VCP sequence when compared to GenBank reference NP_033529.3.

Plasmid Name: pBD-0016

Relevant Mutation: R313K, I206V*(see below)

Record Creation Time: 20220422T221646+0000

Record Last Update: 20260815T080355+0000

Ratings and Alerts

No rating or validation information has been found for pBD-0016.

No alerts have been found for pBD-0016.

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](#) .

Jiang F, et al. (2025) Key wound healing genes as diagnostic biomarkers and therapeutic targets in uterine corpus endometrial carcinoma: an integrated in silico and in vitro study. *Hereditas*, 162(1), 5.

Mukhamedova N, et al. (2025) Targeting the ARF6-dependent recycling pathway to alter lipid rafts and reduce inflammation. *Journal of lipid research*, 66(10), 100900.

Kohsaka S, et al. (2024) A molecular glue RBM39-degrader induces synthetic lethality in cancer cells with homologous recombination repair deficiency. *NPJ precision oncology*, 8(1), 117.

Carola G, et al. (2021) Parkinson's disease patient-specific neuronal networks carrying the LRRK2 G2019S mutation unveil early functional alterations that predate neurodegeneration. *NPJ Parkinson's disease*, 7(1), 55.

Lin TC, et al. (2019) Phosphatidylinositol-5-phosphate 4-kinase gamma accumulates at the spindle pole and prevents microtubule depolymerization. *Cell division*, 14, 9.

Calatayud C, et al. (2019) CRISPR/Cas9-mediated generation of a tyrosine hydroxylase reporter iPSC line for live imaging and isolation of dopaminergic neurons. *Scientific reports*, 9(1), 6811.

Fang CT, et al. (2016) HSP70 regulates the function of mitotic centrosomes. *Cellular and molecular life sciences : CMLS*, 73(20), 3949.