

Resource Summary Report

Generated by [RRID](#) on Aug 22, 2026

Ub-G76V-GFP

RRID:Addgene_11941

Type: Plasmid

Proper Citation

RRID:Addgene_11941

Plasmid Information

URL: <http://www.addgene.org/11941>

Proper Citation: RRID:Addgene_11941

Insert Name: Ub-G76V-GFP

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:10802622](#)

Vector Backbone Description: Backbone Marker:Clontech; Backbone Size:3970; Vector Backbone:EGFP-N1; Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Comments: The ubiquitin open reading frame was amplified by PCR from the Ub-Pro-Gal plasmid with the sense primer 5'-GCG GAATTCACCATGCAGATCTTCGTGAAGACT-3' and the antisense primer 5'-GCGGGATCCTGTGACCAAGCTTC CCCACCACACCTCTGAGACGGAGTAC-3'. The PCR product was cloned into the EcoRI and BamHI sites of the EGFP-N1 vector from Clontech.

Plasmid Name: Ub-G76V-GFP

Relevant Mutation: Ubiquitin fused to N-terminus of GFP. Glycine 76 mutated to Valine.

Record Creation Time: 20220422T221624+0000

Record Last Update: 20260815T080314+0000

Ratings and Alerts

No rating or validation information has been found for Ub-G76V-GFP.

No alerts have been found for Ub-G76V-GFP.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 44 mentions in open access literature.

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

Chen YC, et al. (2026) Rad23b exacerbates pathological aggregates through disrupting proteasome functions in Spinocerebellar ataxia type 3. *Neurotherapeutics : the journal of the American Society for Experimental NeuroTherapeutics*, 23(3), e00928.

Ding Y, et al. (2025) Substrate structure determines p97- and RAD23A/B-mediated proteasomal degradation in human cells. *Journal of biochemistry*, 178(5), 341.

Mendez-Lopez M, et al. (2025) Carfilzomib-specific proteasome $\alpha 5/\alpha 2$ inhibition drives cardiotoxicity via remodeling of protein homeostasis and the renin-angiotensin-system. *iScience*, 28(9), 113228.

Ali M, et al. (2025) ANKZF1 helps to eliminate stress-damaged mitochondria by LC3-mediated mitophagy. *Cell death discovery*, 11(1), 349.

Gandu SR, et al. (2025) Cypin regulates K63-linked polyubiquitination to shape synaptic content. *Science advances*, 11(28), eads5467.

Percivalle NM, et al. (2025) Diving on the Surface of a Functional Metal Oxide through a Multiscale Exploration of Drug-Nanocrystal Interactions. *ACS applied materials & interfaces*, 17(7), 10432.

Mirsanaye AS, et al. (2024) VCF1 is a p97/VCP cofactor promoting recognition of ubiquitylated p97-UFD1-NPL4 substrates. *Nature communications*, 15(1), 2459.

Yu ZQ, et al. (2024) PSMC5 insufficiency and P320R mutation impair proteasome function. *Human molecular genetics*, 33(17), 1506.

Harasimov K, et al. (2024) The maintenance of oocytes in the mammalian ovary involves extreme protein longevity. *Nature cell biology*, 26(7), 1124.

Yuan R, et al. (2023) Proteasomal inhibition preferentially stimulates lysosome activity relative to autophagic flux in primary astrocytes. *Autophagy*, 19(2), 570.

Yang F, et al. (2023) C9orf72 poly-PR helps p53 escape from the ubiquitin-proteasome system and promotes its stability. *Journal of neurochemistry*, 166(2), 389.

Fassmannová D, et al. (2020) Nelfinavir Inhibits the TCF11/Nrf1-Mediated Proteasome Recovery Pathway in Multiple Myeloma. *Cancers*, 12(5).

Davis PR, et al. (2020) Increased AMP deaminase activity decreases ATP content and slows protein degradation in cultured skeletal muscle. *Metabolism: clinical and*

experimental, 108, 154257.

Vonk WIM, et al. (2020) Differentiation Drives Widespread Rewiring of the Neural Stem Cell Chaperone Network. *Molecular cell*, 78(2), 329.

Besse A, et al. (2019) Proteasome Inhibition in Multiple Myeloma: Head-to-Head Comparison of Currently Available Proteasome Inhibitors. *Cell chemical biology*, 26(3), 340.

Akpinar HA, et al. (2019) Ochratoxin A Sequentially Activates Autophagy and the Ubiquitin-Proteasome System. *Toxins*, 11(11).

Towers CG, et al. (2019) Cancer Cells Upregulate NRF2 Signaling to Adapt to Autophagy Inhibition. *Developmental cell*, 50(6), 690.

Fan T, et al. (2018) Proteasome inhibition promotes autophagy and protects from endoplasmic reticulum stress in rat alveolar macrophages exposed to hypoxia-reoxygenation injury. *Journal of cellular physiology*, 233(10), 6748.

Lee YC, et al. (2018) Znf179 E3 ligase-mediated TDP-43 polyubiquitination is involved in TDP-43- ubiquitinated inclusions (UBI) (+)-related neurodegenerative pathology. *Journal of biomedical science*, 25(1), 76.

Bal N, et al. (2017) Nitric Oxide Upregulates Proteasomal Protein Degradation in Neurons. *Cellular and molecular neurobiology*, 37(5), 763.