

Resource Summary Report

Generated by [NIF](#) on Jul 31, 2026

pYES2-Ub-G76V-GFP

RRID:Addgene_11954

Type: Plasmid

Proper Citation

RRID:Addgene_11954

Plasmid Information

URL: <http://www.addgene.org/11954>

Proper Citation: RRID:Addgene_11954

Insert Name: Ub-G76V-GFP

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:14644450](#)

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:5830; Vector Backbone:pYES2; Vector Types:Yeast Expression; Bacterial Resistance:Ampicillin

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. The Ub-G76V-GFP insert was then excised with EcoRI and NotI and cloned into pYES2.

Plasmid Name: pYES2-Ub-G76V-GFP

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

Record Creation Time: 20220422T221625+0000

Record Last Update: 20260725T073624+0000

Ratings and Alerts

No rating or validation information has been found for pYES2-Ub-G76V-GFP.

No alerts have been found for pYES2-Ub-G76V-GFP.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Ruiz-Romero G, et al. (2024) Limiting 20S proteasome assembly leads to unbalanced nucleo-cytoplasmic distribution of 26S/30S proteasomes and chronic proteotoxicity. iScience, 27(11), 111095.

Liu H, et al. (2014) Proteasomal degradation of O-GlcNAc transferase elevates hypoxia-induced vascular endothelial inflammatory response†. Cardiovascular research, 103(1), 131.

Liu H, et al. (2014) Identification of nitric oxide as an endogenous inhibitor of 26S proteasomes in vascular endothelial cells. PloS one, 9(5), e98486.

Xing J, et al. (2014) Upregulation of Unc-51-like kinase 1 by nitric oxide stabilizes SIRT1, independent of autophagy. PloS one, 9(12), e116165.