

Resource Summary Report

Generated by [RRID](#) on Aug 28, 2026

[pKT0127](#)

RRID:Addgene_8728

Type: Plasmid

Proper Citation

RRID:Addgene_8728

Plasmid Information

URL: <http://www.addgene.org/8728>

Proper Citation: RRID:Addgene_8728

Insert Name: yEGFP

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:15197731](#)

Vector Backbone Description: Backbone Size:4894; Vector Backbone:pFA6a-link;
Vector Types:Yeast Expression; Bacterial Resistance:Ampicillin

Comments: Full name of this plasmid is pFA6a-link-yEGFP-KanR. An codon-optimized linker was added into the yEGFP to improve expression level. The G418 resistance marker (KanR) was introduced into the plasmid by subcloning the BglII/EcoRI fragment of pDH3 (Hailey et al., 2002) into the plasmid, in place of SpHIS5. The yeast GFP used to create this plasmid contained a point mutation M233I that is present in all GFP variants derived from this original yEGFP. The mutation had no effect on fluorescence (see associated publication for more details).

Plasmid Name: pKT0127

Record Creation Time: 20220422T222600+0000

Record Last Update: 20260815T082142+0000

Ratings and Alerts

No rating or validation information has been found for pKT0127.

No alerts have been found for pKT0127.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Schuler MH, et al. (2021) Mitochondrial-derived compartments facilitate cellular adaptation to amino acid stress. *Molecular cell*, 81(18), 3786.

Driscoll WW, et al. (2017) Synergistic cooperation promotes multicellular performance and unicellular free-rider persistence. *Nature communications*, 8, 15707.

Hamazaki T, et al. (2011) Functional expression of human adenine nucleotide translocase 4 in *Saccharomyces cerevisiae*. *PloS one*, 6(4), e19250.