

Resource Summary Report

Generated by [RRID](#) on Aug 18, 2026

AmCyan-P2A-mCherry

RRID:Addgene_45350

Type: Plasmid

Proper Citation

RRID:Addgene_45350

Plasmid Information

URL: <http://www.addgene.org/45350>

Proper Citation: RRID:Addgene_45350

Insert Name: AmCyan

Organism: Synthetic

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:27656125](#)

Vector Backbone Description: Backbone Marker:Clontech; Backbone Size:4729; Vector Backbone:pmR-mCherry; Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Comments: the nAmCyan and the mCherry genes are separated by a P2A sequence that results in 2 separate proteins. It also includes BsmBI restriction sites flanking the nAmCyan gene which result in BsiWI and BssHII overhangs for cloning in-frame with P2A-mCherry.

Plasmid Name: AmCyan-P2A-mCherry

Relevant Mutation: SV40 NLS

Record Creation Time: 20220422T222234+0000

Record Last Update: 20260815T081523+0000

Ratings and Alerts

No rating or validation information has been found for AmCyan-P2A-mCherry.

No alerts have been found for AmCyan-P2A-mCherry.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 8 mentions in open access literature.

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

Gracilla DE, et al. (2026) FET Fusion Oncoproteins Disrupt Physiologic DNA Repair and Create a Targetable Opportunity for ATR Inhibitor Therapy. *Cancer research*, 86(11), 2660.

Bovo E, et al. (2024) Phosphorylation of phospholamban promotes SERCA2a activation by dwarf open reading frame (DWORF). *Cell calcium*, 121, 102910.

Menon S, et al. (2023) FET fusion oncoproteins disrupt physiologic DNA repair networks and induce ATR synthetic lethality in cancer. *Research square*.

Menon S, et al. (2023) FET fusion oncoproteins disrupt physiologic DNA repair networks in cancer. *bioRxiv : the preprint server for biology*.

Przybyszewska-Podstawka A, et al. (2023) Synthetic circuits based on split Cas9 to detect cellular events. *Scientific reports*, 13(1), 14988.

Wang N, et al. (2022) Inducing Ito,f and phase 1 repolarization of the cardiac action potential with a Kv4.3/KChIP2.1 bicistronic transgene. *Journal of molecular and cellular cardiology*, 164, 29.

Donkervoort S, et al. (2019) MSTO1 mutations cause mtDNA depletion, manifesting as muscular dystrophy with cerebellar involvement. *Acta neuropathologica*, 138(6), 1013.

Paramonov VM, et al. (2018) Targeting Somatostatin Receptors By Functionalized Mesoporous Silica Nanoparticles - Are We Striking Home? *Nanotheranostics*, 2(4), 320.