Resource Summary Report

Generated by NIF on Aug 25, 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 NIF .

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.