

Resource Summary Report

Generated by [NIF](#) on Aug 23, 2026

Double UP mNeon to mScarlet

RRID:Addgene_125134

Type: Plasmid

Proper Citation

RRID:Addgene_125134

Plasmid Information

URL: <http://www.addgene.org/125134>

Proper Citation: RRID:Addgene_125134

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:32508591](#)

Vector Backbone Description: Backbone Size:6734; Vector Backbone:pCAX; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: Intent is to introduce low doses of pCAG Cre to recombine a subset of cells, such that mNeon can act as an internal control to mScarlet for use in in utero electroporation or other related techniques. Genetic overexpression can be easily attached following the mScarlet through use of a mcs after the P2A. Note: Addgene NGS is unable to fully resolve the CAG promoter sequence. Please refer to the depositor's sequence for this section of the plasmid.

Plasmid Name: Double UP mNeon to mScarlet

Relevant Mutation: Removed Not1 site in mScarlet

Record Creation Time: 20220422T221656+0000

Record Last Update: 20260815T080413+0000

Ratings and Alerts

No rating or validation information has been found for Double UP mNeon to mScarlet.

No alerts have been found for Double UP mNeon to mScarlet.

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 [NIF](#) .

Lin L, et al. (2026) Nonsense-mediated mRNA decay orchestrates neuronal migration and cortical lamination while modulating Reelin and ciliary gene regulatory networks. Cell reports, 45(3), 117027.

Warner JF, et al. (2025) Microinjection, gene knockdown, and CRISPR-mediated gene knock-in in the hard coral, *Astrangia poculata*. EvoDevo, 16(1), 6.

Tomasello U, et al. (2022) miR-137 and miR-122, two outer subventricular zone non-coding RNAs, regulate basal progenitor expansion and neuronal differentiation. Cell reports, 38(7), 110381.