

Resource Summary Report

Generated by [RRID](#) on Aug 30, 2026

pLentiCrispr-V2-mOrange (V2mO)

RRID:Addgene_140206

Type: Plasmid

Proper Citation

RRID:Addgene_140206

Plasmid Information

URL: <http://www.addgene.org/140206>

Proper Citation: RRID:Addgene_140206

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:32053639](#)

Vector Backbone Description: Backbone Marker:MIT; Vector Backbone:pLentiCrispr-V2-mOrange (V2mO); Vector Types:Mammalian Expression, Lentiviral, CRISPR; Bacterial Resistance:Ampicillin

Comments: Lenti Crispr/Cas9 V2 with mOrange fluorescent marker, to make lentiviral production visible and target cell transduction visible with mOrange. The cloning method for inserting a guide RNA (gRNA) is: BsmB1.

Plasmid Name: pLentiCrispr-V2-mOrange (V2mO)

Record Creation Time: 20220422T221810+0000

Record Last Update: 20260829T075637+0000

Ratings and Alerts

No rating or validation information has been found for pLentiCrispr-V2-mOrange (V2mO).

No alerts have been found for pLentiCrispr-V2-mOrange (V2mO).

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](#) .

Karunaraj P, et al. (2026) A hotspot phosphorylation site on SHP2 drives oncoprotein activation and drug resistance. Nature communications, 17(1).

Karunaraj P, et al. (2025) A Hotspot Phosphorylation Site on SHP2 Drives Oncoprotein Activation and Drug Resistance. Research square.

Karunaraj P, et al. (2025) A Hotspot Phosphorylation Site on SHP2 Drives Oncoprotein Activation and Drug Resistance. bioRxiv : the preprint server for biology.