

# Resource Summary Report

Generated by [kravitz2](#) on Jul 31, 2026

## pET Biotin His6 mOrange LIC cloning vector (H6-mOrange)

RRID:Addgene\_29723

Type: Plasmid

### Proper Citation

RRID:Addgene\_29723

### Plasmid Information

**URL:** <http://www.addgene.org/29723>

**Proper Citation:** RRID:Addgene\_29723

**Bacterial Resistance:** Kanamycin

**Vector Backbone Description:** Backbone Size:6082; Vector Backbone:pET; Vector Types:Bacterial Expression; Bacterial Resistance:Kanamycin

**Comments:** This plasmid is an empty vector. Your gene can be inserted with a LIC cloning protocol. mOrange has a excitation max of 548 nm and an emission max of 562 nm. To clone into this vector, add LIC tags to the 5' end of your PCR primers. Forward - 5'TACTTCCAATCCAATGCA3' Reverse - 5'CTCCCACTACCAATGCC 3' Do NOT include a stop codon with your reverse primer. Linearize the plasmid with SspI, then gel purify. When digesting the DNA with T4 polymerase, use dCTP for the insert and dGTP for your linearized vector. More information on this vector can be found through <http://qb3.berkeley.edu/qb3/macrolab/>

**Plasmid Name:** pET Biotin His6 mOrange LIC cloning vector (H6-mOrange)

**Record Creation Time:** 20220422T222131+0000

**Record Last Update:** 20260725T074534+0000

### Ratings and Alerts

No rating or validation information has been found for pET Biotin His6 mOrange LIC cloning vector (H6-mOrange).

No alerts have been found for pET Biotin His6 mOrange LIC cloning vector (H6-mOrange).

## Data and Source Information

**Source:** [Addgene](#)

## Usage and Citation Metrics

We found 1 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [kravitz2](#) .

Lee H, et al. (2025) A Rho GTPase-effector ensemble governs cell migration behavior. Nature communications, 16(1), 9637.