

Resource Summary Report

Generated by [RRID](#) on Aug 27, 2026

pET259-pUC57 24xMS2V6

RRID:Addgene_104391

Type: Plasmid

Proper Citation

RRID:Addgene_104391

Plasmid Information

URL: <http://www.addgene.org/104391>

Proper Citation: RRID:Addgene_104391

Insert Name: 24xMS2V6

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:29131164](#)

Vector Backbone Description: Backbone Marker:Genescript; Vector Backbone:pUC57; Vector Types:Bacterial Expression; Bacterial Resistance:Ampicillin

Comments: Insert generated by duplication of 12xMBSV6 as a BamHI/BglII fragment inserted at the BglII site

Plasmid Name: pET259-pUC57 24xMS2V6

Relevant Mutation: All Loops are U-variants, interspaced by 50 nucleotide linkers, have synonymous sequence,and the sequence is ORF in the 3 frames

Record Creation Time: 20220422T221506+0000

Record Last Update: 20260815T080041+0000

Ratings and Alerts

No rating or validation information has been found for pET259-pUC57 24xMS2V6.

No alerts have been found for pET259-pUC57 24xMS2V6.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 7 mentions in open access literature.

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

Kuffner CJ, et al. (2026) RNA-stabilized coat proteins for sensitive and simultaneous imaging of distinct single mRNAs in live cells. *Nature methods*, 23(1), 153.

Wang S, et al. (2025) Endogenous Real Time Imaging Reveals Dynamic Chromosomal Mobility During Ligand-Mediated Transcriptional Burst Events. *bioRxiv : the preprint server for biology*.

Stark M, et al. (2023) Folylpolyglutamate synthetase mRNA G-quadruplexes regulate its cell protrusion localization and enhance a cancer cell invasive phenotype upon folate repletion. *BMC biology*, 21(1), 13.

B??hler B, et al. (2023) Avidity-based bright and photostable light-up aptamers for single-molecule mRNA imaging. *Nature chemical biology*, 19(4), 478.

Guo Y, et al. (2022) Long-term imaging of individual mRNA molecules in living cells. *Cell reports methods*, 2(6), 100226.

Biswas J, et al. (2021) Protocol for using TRIBE to study RNA-protein interactions and nuclear organization in mammalian cells. *STAR protocols*, 2(3), 100634.

Hoppe C, et al. (2021) CRISPR-Cas9 strategies to insert MS2 stem-loops into endogenous loci in *Drosophila* embryos. *STAR protocols*, 2(1), 100380.