

Resource Summary Report

Generated by [RRID](#) on Aug 24, 2026

pAS_4xU6-PyIT M15 (UUA) FLAG-Mma PyIRS

RRID:Addgene_154774

Type: Plasmid

Proper Citation

RRID:Addgene_154774

Plasmid Information

URL: <http://www.addgene.org/154774>

Proper Citation: RRID:Addgene_154774

Insert Name: Mma PyIRS

Organism: Methanosarcina mazei

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:32579937](#)

Vector Backbone Description: Vector Backbone:pAS; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: M15 PyIT described by Serfling et al., 2018 (PMID: 29177436)

Plasmid Name: pAS_4xU6-PyIT M15 (UUA) FLAG-Mma PyIRS

Relevant Mutation: in PyIT: UUA anticodon and G10A, G14U, G16U, C20U, C52A

Record Creation Time: 20220422T221848+0000

Record Last Update: 20260815T080754+0000

Ratings and Alerts

No rating or validation information has been found for pAS_4xU6-PyIT M15 (UUA) FLAG-Mma PyIRS.

No alerts have been found for pAS_4xU6-PyIT M15 (UUA) FLAG-Mma PyIRS.

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](#) .

Chan AN, et al. (2025) Voltage sensor conformations induced by LQTS-associated mutations in hERG potassium channels. Nature communications, 16(1), 7126.

Nordahl L, et al. (2024) Detection and quantification of Na,K-ATPase dimers in the plasma membrane of living cells by FRET-FCS. Biochimica et biophysica acta. General subjects, 1868(7), 130619.

Meineke B, et al. (2023) Dual stop codon suppression in mammalian cells with genomically integrated genetic code expansion machinery. Cell reports methods, 3(11), 100626.