

Resource Summary Report

Generated by [PRECISE-TBI](#) on Aug 12, 2026

pMO746

RRID:Addgene_117480

Type: Plasmid

Proper Citation

RRID:Addgene_117480

Plasmid Information

URL: <http://www.addgene.org/117480>

Proper Citation: RRID:Addgene_117480

Insert Name: uracil phosphoribosyltransferase

Organism: Desulfovibrio vulgaris

Bacterial Resistance: Ampicillin and Kanamycin

Defining Citation: [PMID:23393089](#)

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:4000; Vector Backbone:pCR4/TOPO; Vector Types:Bacterial Expression; Bacterial Resistance:Ampicillin and Kanamycin

Comments: Selection for kanamycin resistance after introduction of pMO746 identifies those cells in which integration into the chromosome of part or all of the plasmid has occurred. Kanamycin resistance is a strong selection in the sulfate-reducing bacteria (SRB). Ampicillin is not universally effective in the SRB but is often used for selection in Escherichia coli. Thus this plasmid can be readily grown in E. coli but is actually unstable in the SRB.

Plasmid Name: pMO746

Record Creation Time: 20220422T221615+0000

Record Last Update: 20260808T080536+0000

Ratings and Alerts

No rating or validation information has been found for pMO746.

No alerts have been found for pMO746.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.