

Resource Summary Report

Generated by [dkNET](#) on Sep 20, 2026

pMAL-c2x-MT1

RRID:Addgene_32101

Type: Plasmid

Proper Citation

RRID:Addgene_32101

Plasmid Information

URL: <http://www.addgene.org/32101>

Proper Citation: RRID:Addgene_32101

Insert Name: Metallothionein

Organism: Mus musculus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:17692533](#)

Vector Backbone Description: Backbone Marker:New England Biolabs; Backbone Size:6700; Vector Backbone:pMAL-c2x; Vector Types:Bacterial Expression; Bacterial Resistance:Ampicillin

Comments: The metallothionein (MT) gene was amplified with the forward primer (5'-CTCGGGATCGAGGGAAGGATTTCAAGA TATACCATGGACCCC-3'), which codes for the MBP linker region containing an XmnI and NcoI site fused in frame to the MT gene, and the reverse primer (5'-GACT CTAGAGGATCCTAGGCACAGCACGTG-3'), which contains the MT gene stop codon and a subsequent BamHI site. Both the PCR product and pMAL-c2x vector were digested with XmnI and BamHI and were later ligated together to generate the final plasmid. In addition to this plasmid Addgene offers versions with 2 copies (32102), 3 copies (32115) and 4 copies (32100) of MT

Plasmid Name: pMAL-c2x-MT1

Record Creation Time: 20220422T222139+0000

Record Last Update: 20260919T091705+0000

Ratings and Alerts

No rating or validation information has been found for pMAL-c2x-MT1.

No alerts have been found for pMAL-c2x-MT1.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.