

Resource Summary Report

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

MLM3743

RRID:Addgene_49962

Type: Plasmid

Proper Citation

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Plasmid Information

URL: <http://www.addgene.org/49962>

Proper Citation: RRID:Addgene_49962

Insert Name: 3x Flag Tet1CDmut HB-5

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:24108092](#)

Vector Backbone Description: Backbone Marker:Joung lab (Addgene plasmid #49239); Vector Backbone:pJFA274; Vector Types:TALEN; Bacterial Resistance:Ampicillin

Comments: TALE target site is: TATGCTTACCAAGCTGTGAT. Note that due to the TET1 mutations, this plasmid neither demethylated the proximal CpGs nor activated HBB gene expression. See Supplementary Figure 13 of associated publication for amino acid sequences of backbone and TALE repeat array.

Plasmid Name: MLM3743

Relevant Mutation: catalytic domain of TET1 inactive (H1671Y and D1673A mutations)

Record Creation Time: 20220422T222257+0000

Record Last Update: 20260815T081603+0000

Ratings and Alerts

No rating or validation information has been found for MLM3743.

No alerts have been found for MLM3743.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.