

Resource Summary Report

Generated by [RRID](#) on Aug 19, 2026

pET24a MDHM1_ARATH

RRID:Addgene_204236

Type: Plasmid

Proper Citation

RRID:Addgene_204236

Plasmid Information

URL: <http://www.addgene.org/204236>

Proper Citation: RRID:Addgene_204236

Insert Name: MDHM1_ARATH

Organism: Arabidopsis thaliana

Bacterial Resistance: Kanamycin

Vector Backbone Description: Backbone Marker:Novagen; Backbone Size:5271; Vector Backbone:pET24a; Vector Types:Bacterial Expression; Bacterial Resistance:Kanamycin

Comments: UniProt ID: <https://www.uniprot.org/uniprotkb/Q9ZP06/>. Required for carbon dioxide and energy partitioning in leaves. May limit photorespiration during the dark phase. Its activity is essential to shuttle reductants out of the mitochondria to support photorespiration. For more information, please see the MDH CUREs Community website: <https://www.mdhcures.org/>.

Plasmid Name: pET24a MDHM1_ARATH

Relevant Mutation: Does not include the first 52 residues that are the mitochondrial targeting peptide. A Met is inserted for the start codon.

Record Creation Time: 20231108T080459+0000

Record Last Update: 20260815T082806+0000

Ratings and Alerts

No rating or validation information has been found for pET24a MDHM1_ARATH.

No alerts have been found for pET24a MDHM1_ARATH.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.