

# Resource Summary Report

Generated by [dkNET](#) on Aug 22, 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.