

Resource Summary Report

Generated by [SPARC SAWG](#) on Sep 2, 2026

ME1/pBABE-puro

RRID:Addgene_49163

Type: Plasmid

Proper Citation

RRID:Addgene_49163

Plasmid Information

URL: <http://www.addgene.org/49163>

Proper Citation: RRID:Addgene_49163

Insert Name: Malic Enzyme 1

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:23334421](#)

Vector Backbone Description: Backbone Marker:Addgene plasmid # 1764; Backbone Size:5169; Vector Backbone:pBabe-puro; Vector Types:Mammalian Expression, Retroviral; Bacterial Resistance:Ampicillin

Plasmid Name: ME1/pBABE-puro

Record Creation Time: 20220422T222253+0000

Record Last Update: 20260829T080622+0000

Ratings and Alerts

No rating or validation information has been found for ME1/pBABE-puro.

No alerts have been found for ME1/pBABE-puro.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 4 mentions in open access literature.

Listed below are recent publications. The full list is available at [SPARC SAWG](#) .

Nilsson MB, et al. (2026) Loss of Payload Sensitivity and Other Mechanisms of Resistance to T-DXd in HER2-Mutant NSCLC: Implications for Subsequent Responsiveness to HER2 TKIs. Journal of thoracic oncology : official publication of the International Association for the Study of Lung Cancer, 21(6), 103555.

Brashears CB, et al. (2022) Malic Enzyme 1 Absence in Synovial Sarcoma Shifts Antioxidant System Dependence and Increases Sensitivity to Ferroptosis Induction with ACXT-3102. Clinical cancer research : an official journal of the American Association for Cancer Research, 28(16), 3573.

Igelmann S, et al. (2021) A hydride transfer complex reprograms NAD metabolism and bypasses senescence. Molecular cell, 81(18), 3848.

Balsa E, et al. (2020) Defective NADPH production in mitochondrial disease complex I causes inflammation and cell death. Nature communications, 11(1), 2714.