

Resource Summary Report

Generated by [NIF](#) on Sep 18, 2026

pCW57.1-MAT2A

RRID:Addgene_100521

Type: Plasmid

Proper Citation

RRID:Addgene_100521

Plasmid Information

URL: <http://www.addgene.org/100521>

Proper Citation: RRID:Addgene_100521

Insert Name: MAT2A

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:29123071](#)

Vector Backbone Description: Backbone Marker:Carson Thoreen at Yale University; Vector Backbone:pCW57.1; Vector Types:Mammalian Expression, Lentiviral; Bacterial Resistance:Ampicillin

Plasmid Name: pCW57.1-MAT2A

Record Creation Time: 20220422T221448+0000

Record Last Update: 20260912T091337+0000

Ratings and Alerts

No rating or validation information has been found for pCW57.1-MAT2A.

No alerts have been found for pCW57.1-MAT2A.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 17 mentions in open access literature.

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

Sher EF, et al. (2026) Targeting DNA Polymerase Epsilon Induces Tumor Clearance and Activates an NF- κ B-Mediated Inflammatory Response in Triple-Negative Breast Cancer. *Cancer research*, 86(14), 3554.

Gierisch ME, et al. (2026) Mitochondria serve as a holdout compartment for aggregation-prone proteins hindering efficient degradation. *Nature communications*, 17(1).

So KH, et al. (2026) Reversibility and therapeutic feasibility of DNM1L-associated neurodevelopmental disorders. *Experimental & molecular medicine*, 58(3), 755.

Li R, et al. (2026) Single-molecule dynamics of the TRiC chaperonin system in vivo. *Nature*, 652(8109), 481.

Rai C, et al. (2026) Histone deacetylase enzyme activity is not the universal anticancer target of HDAC inhibitors. *Signal transduction and targeted therapy*, 11(1).

Kuintzle R, et al. (2025) Diversity in Notch ligand-receptor signaling interactions. *eLife*, 12.

Sher EF, et al. (2025) Targeting DNA Polymerase Epsilon Leads to Tumor Clearance and Activation of an NF- κ B-mediated inflammatory response in Triple Negative Breast Cancer. *bioRxiv : the preprint server for biology*.

Fang R, et al. (2025) Episodic transport of protein aggregates achieves a positive size selectivity in aggresome formation. *Nature communications*, 16(1), 7852.

Khan N, et al. (2025) Human Papillomavirus Integration Induces Oncogenic Host Gene Fusions in Oropharyngeal Cancers. *Cancer discovery*, 15(9), 1927.

McKenney KM, et al. (2025) Cytoplasmic poly-adenosine binding proteins modulate susceptibility of mRNAs to RNA-binding protein-directed decay. *bioRxiv : the preprint server for biology*.

Goldberg GW, et al. (2024) Engineered transcription-associated Cas9 targeting in eukaryotic cells. *Nature communications*, 15(1), 10287.

Cacciatore A, et al. (2024) Epigenome-wide impact of MAT2A sustains the androgen-indifferent state and confers synthetic vulnerability in ERG fusion-positive prostate cancer. *Nature communications*, 15(1), 6672.

Russell PJ, et al. (2023) Translation reinitiation after uORFs does not fully protect mRNAs from nonsense-mediated decay. *RNA (New York, N.Y.)*, 29(6), 735.

Goldberg GW, et al. (2023) Engineered transcription-associated Cas9 targeting in eukaryotic cells. *bioRxiv : the preprint server for biology*.

Saha I, et al. (2023) The AAA+ chaperone VCP disaggregates Tau fibrils and generates aggregate seeds in a cellular system. *Nature communications*, 14(1), 560.

Balderas E, et al. (2022) Mitochondrial calcium uniporter stabilization preserves energetic homeostasis during Complex I impairment. *Nature communications*, 13(1), 2769.

Ruivo CF, et al. (2022) Extracellular Vesicles from Pancreatic Cancer Stem Cells Lead an Intratumor Communication Network (EVNet) to fuel tumour progression. *Gut*, 71(10), 2043.