

Resource Summary Report

Generated by [kravitz2](#) on Jul 29, 2026

[pwM](#)

RRID:Addgene_22515

Type: Plasmid

Proper Citation

RRID:Addgene_22515

Plasmid Information

URL: <http://www.addgene.org/22515>

Proper Citation: RRID:Addgene_22515

Insert Name: MCPyV VP1

Organism: Merkel Cell Polyomavirus

Bacterial Resistance: Bleocin (Zeocin)

Defining Citation: [PMID:19750217](#)

Vector Backbone Description: Backbone Size:5338; Vector Backbone:pGwf; Vector Types:Mammalian Expression; Bacterial Resistance:Bleocin (Zeocin)

Comments: First reference to this plasmid was in: Human Merkel cell polyomavirus infection II. MCV is a common human infection that can be detected by conformational capsid epitope immunoassays. Tolstov YL, Pastrana DV, Feng H, Becker JC, Jenkins FJ, Moschos S, Chang Y, Buck CB, Moore PS. Int J Cancer. 2009 Sep 15;125(6):1250-6
Genbank style annotations can be found at:
<http://home.ccr.cancer.gov/LCO/packaging.htm>

Plasmid Name: pwM

Relevant Mutation: codon modified gene

Record Creation Time: 20220422T222100+0000

Record Last Update: 20260725T074433+0000

Ratings and Alerts

No rating or validation information has been found for pwM.

No alerts have been found for pWM.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 6 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

Wang K, et al. (2025) Temporal gating of nuclear import: How Merkel cell polyomavirus exploits the cell cycle for nuclear entry. PLoS pathogens, 21(5), e1013217.

Que L, et al. (2022) IFN- γ -Induced APOBEC3B Contributes to Merkel Cell Polyomavirus Genome Mutagenesis in Merkel Cell Carcinoma. The Journal of investigative dermatology, 142(7), 1793.

Bayer NJ, et al. (2020) Structure of Merkel Cell Polyomavirus Capsid and Interaction with Its Glycosaminoglycan Attachment Receptor. Journal of virology, 94(20).

Neumann F, et al. (2016) Replication of Merkel cell polyomavirus induces reorganization of promyelocytic leukemia nuclear bodies. The Journal of general virology, 97(11), 2926.

Sroller V, et al. (2014) Seroprevalence rates of BKV, JCV, and MCPyV polyomaviruses in the general Czech Republic population. Journal of medical virology, 86(9), 1560.

Neumann F, et al. (2011) Replication, gene expression and particle production by a consensus Merkel Cell Polyomavirus (MCPyV) genome. PloS one, 6(12), e29112.