

Resource Summary Report

Generated by [NIF](#) on Jul 30, 2026

[ph2m](#)

RRID:Addgene_22518

Type: Plasmid

Proper Citation

RRID:Addgene_22518

Plasmid Information

URL: <http://www.addgene.org/22518>

Proper Citation: RRID:Addgene_22518

Insert Name: MCPyV VP2

Organism: Merkel Cell Polyomavirus

Bacterial Resistance: Bleocin (Zeocin)

Defining Citation: [PMID:19750217](#)

Vector Backbone Description: Backbone Size:3975; Vector Backbone:phGf; 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 annotated sequences can be found at:
<http://home.ccr.cancer.gov/LCO/packaging.htm>

Plasmid Name: ph2m

Relevant Mutation: codon modified

Record Creation Time: 20220422T222100+0000

Record Last Update: 20260725T074433+0000

Ratings and Alerts

No rating or validation information has been found for ph2m.

No alerts have been found for ph2m.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

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).