

Resource Summary Report

Generated by [RRID](#) on Aug 26, 2026

[pOTTC1484 - pAAV SYN1 HA-hM4D\(Gi\)](#)

RRID:Addgene_121538

Type: Plasmid

Proper Citation

RRID:Addgene_121538

Plasmid Information

URL: <http://www.addgene.org/121538>

Proper Citation: RRID:Addgene_121538

Insert Name: HA-tagged hM4D(Gi)

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:31063250](#)

Vector Backbone Description: Backbone Marker:NIDA_GEVC; Backbone Size:4500; Vector Backbone:pOTTC1479 - pAAV SYN1 iRFP-FLAG; Vector Types:Mammalian Expression, AAV; Bacterial Resistance:Ampicillin

Plasmid Name: pOTTC1484 - pAAV SYN1 HA-hM4D(Gi)

Record Creation Time: 20220422T221636+0000

Record Last Update: 20260815T080336+0000

Ratings and Alerts

No rating or validation information has been found for pOTTC1484 - pAAV SYN1 HA-hM4D(Gi).

No alerts have been found for pOTTC1484 - pAAV SYN1 HA-hM4D(Gi).

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

de Sousa AF, et al. (2026) The prefrontal cortex controls memory organization in the hippocampus. *Nature neuroscience*, 29(5), 1191.

Noh MC, et al. (2025) A molecular and spinal circuit basis for the functional segregation of itch and pain. *bioRxiv : the preprint server for biology*.

Leone MJ, et al. (2025) Combining Machine Learning and Multiplexed, In Situ Profiling to Engineer Cell Type and Behavioral Specificity. *bioRxiv : the preprint server for biology*.

Elorette C, et al. (2024) The neural basis of resting-state fMRI functional connectivity in fronto-limbic circuits revealed by chemogenetic manipulation. *Nature communications*, 15(1), 4669.

Galvan A, et al. (2019) Ultrastructural localization of DREADDs in monkeys. *The European journal of neuroscience*, 50(5), 2801.