

Resource Summary Report

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

pOTTC1596 - pAAV SYN1 HA-hM3D(Gq)

RRID:Addgene_121539

Type: Plasmid

Proper Citation

RRID:Addgene_121539

Plasmid Information

URL: <http://www.addgene.org/121539>

Proper Citation: RRID:Addgene_121539

Insert Name: HA-tagged hM3D(Gq)

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: pOTTC1596 - pAAV SYN1 HA-hM3D(Gq)

Record Creation Time: 20220422T221636+0000

Record Last Update: 20260725T073645+0000

Ratings and Alerts

No rating or validation information has been found for pOTTC1596 - pAAV SYN1 HA-hM3D(Gq).

No alerts have been found for pOTTC1596 - pAAV SYN1 HA-hM3D(Gq).

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Le AD, et al. (2025) Astrocyte Modulation of Synaptic Plasticity Mediated by Activity-Dependent Sonic Hedgehog Signaling. The Journal of neuroscience : the official journal of the Society for Neuroscience, 45(11).

Duan Y, et al. (2025) Frontostriatal regulation of brain circuits contributes to flexible decision making. Neuropsychopharmacology : official publication of the American College of Neuropsychopharmacology, 50(7), 1156.